

Z. R. Fosberg

Collection and Field Note Book

No. 2

(July 17, 1930 - Dec. 6, 1931)

S-3367 - S-7089	pp. 1-145
F-1 - F-300	pp. 146-163
L-1 - L-3	pp. 166-167
R-1 - R-136	pp. 174-181
T-1 - T-295	pp. 182-198

Also some loose sheets.

New Mexico - Arizona	pp. 2-7
New Mexico	pp. 8-31
New Mexico - Texas	pp. 32-35
California- Arizona	pp. 38-43
New Mexico - California	pp. 44-79
California	pp. 80-133
Baja Calif. Mexico	pp. 134-141
California	pp. 142-175
California - Arizona	pp. 176-179
Calif.-Mexico-Arizona	pp. 180-181
California	pp. 182-187
California-Mexico	pp. 188-198

Collection and Field Note Book

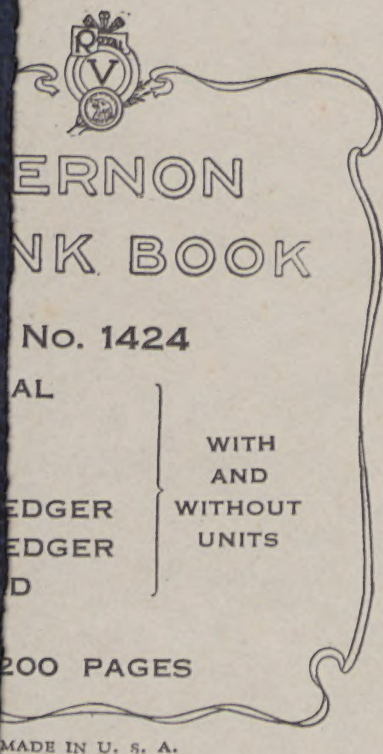
No. 2

(July 17, 1930 - Dec. 6, 1931)

S-3367 - S-7089	pp. 1-145
F-1 - F-300	pp. 146-163
L-1 - L-3	pp. 166-167
R-1 - R-136	pp. 174-181
T-1 - T-295	pp. 182-198

Also some loose sheets.

New Mexico - Arizona	pp. 2-7
New Mexico	pp. 8-31
New Mexico - Texas	pp. 32-35
California- Arizona	pp. 38-43
New Mexico - California	pp. 44-79
California	pp. 80-133
Baja Calif., Mexico	pp. 134-141
California	pp. 142-175
California - Arizona	pp. 176-179
Calif.-Mexico-Arizona	pp. 180-181
California	pp. 182-187
California-Mexico	pp. 188-198



F. R. Fosberg

Book # 2

DIECKHAUS
206 S. 52nd St.
JU

53367 *Tidestromia suffruticosa*

68

69

70

71

72 *Cleome lutea*?

73

74 *Cassia Covellii*

75

76

77

78

79 *Lycium*

80

81

82 *Euphorbia*

83

84

85

86 *Eriogonum*

87

88

89

90 *Verbena*

91

92

93

94 *Eriogonum*

95

96

97 *Solanum elaeagnifolium*

98

99 *Solanum elaeagnifolium*

53400

New Mexico - Arizona
(Donalana Co.)

7/29/30 Pyramid Peak, w. base

Donalana Co.

7/17/30 Hills near Coolidge Dam Graham Co. Ariz.

7/17/30 5 mi. w. Superior Jct. Pinal Co. "

7/17/30 " " " " " "

7/17/30 " " " " " "

" " " " " "

" " 3 mi. w. of Coolidge Dam Graham Co. "

7/28/30 Mesquite " " "

" " " " " "

S3401

2 *Arundo donax*

3

4 *Haplopappus heterophyllus*

5

6 *Dalea glaberrima*

7

8

9

10 *Acanthochiton Wrightii*

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25 *Chenopodium glaucum*

26

27 *Lepidium montanum* v. *elysoides*

28

29

30

31

32

33

34 *Fallugia paradoxa*

9/1/30 San Miguel

Don Ana Co.

8/27/30 3 mi. s. Mesilla Park

" " "

" " " " "

" " "

8/27/30 2 mi. N. Mesquite

" " "

8/20/30 1 mi. W. San Miguel

" " "

8/29/30 3 mi. W. Pyramid Peak

" " "

8/29/30 3 mi. W. Pyramid Peak

" " "

53435

36 *Agave*

37

38 *Mammillaria microcarpa*39 *Aster parvulus*

40

41

42

43 *Mirabilis multiflorum*

44

45 *Clematis ligusticifolia*

46

47

48

49

50

51 *Sueda suffrutescens*

52

53

54

55

56

57

58

59 *Flaveria trinervia*

60

61

62 *Boerhaavia Wrightii*

63

64

65

66

67

68

New Mexico - Arizona
(Dona Ana Co.)

7/17/30 Superior Grade, Pinal Mts. Pinal Co. Ariz.

7/17/30

Coolidge Dam

Graham Co. Ariz.

8/14/30

2 mi. S. La Mesa

Dona Ana Co.

8/14/30

1 mi. S. Old Mesilla

" " "

8/14/30

" " " " "

" " "

8/1/30

Mesquite

" " "

"

"

" " "

8/29/30

3 mi W. Pyramid Peak

" " "

53469

70

71 ~~Dalea~~ Dalea formosa

72

73

74

75

76 ~~Platonia~~ Stephanomeria pauciflora Aster hebecladus
n. mesquite

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95 Aristida glauca

96 Muhlenbergia Porteri

97

98 Trixis californica

99

53500 Pectis papposa

- " -1 Croton neomexicanus "

2

53476 a Aster hebecladus
n. Mesquite, D.A.Co. 9/3/30

8/29/30 2 mi. W. Pyramid Peak Dona Ana Co.

8/29/30 3 mi. W. Pyramid Peak Dona Ana Co.

8/22/30 E. Pyramid Peak " " "

" " " " " " "

" " " " " " "

" " " " " " "

" " " " " " "

58503

4

5 *Mentzelia multiflora*

6

7

8

9

10

11 *Desmanthus illinoensis*

12

13

14

15 *Panicum obtusum*

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

8/22/30 E. Pyramid Peak

Dona Ana Co.

9/3/30 Mesquite

" " "

"

"

" " "

53537

38

39

40 *Gilia longiflora*

41

42

43

44

45

46

47

48

49

50

51

52

53 *Melampodium leucanthum*

54

55

56 *Scleropogon brevifolius*

57

58

59 *Perezia Wrightii*60 *Verbesina encelioides* v. *spauriculata*61 *Solanum rostratum*

62

63 *Bidens vulgata*64 *Strophostyles helvola*

65

66

67

68

69

70 *Salix amygdaloides*

9/2/30 S. of S.E. spur Pyramid Peak Range Dona Ana Co.

8/22/30 E. Pyramid Peak Dona Ana Co.

" " " " " " "

9/4/30 " " lower w. slope " " "

9/1/30 Mesquite " " "

" " " " " " "

" 2 Mi. N. San Miguel " " "

" " " " " " "

" Mesquite " " "

53605

6

7

8

9

10

11

12

13

14

15 *Euphorbia serpens*16 *Palactis asteroides*17 *Atriplex canescens*18 *Baileya multiradiata*

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

8/7/30

mesquite

Roma Ana Co.

"

"

" " "

8/4/30

2 mi. e. Vado

" " "

8/4/30

Flats SW. Pyramid Peak

" " "

53639

40

41

42 *Lycium Torreyi*

43

44 *Cassia Baulinoides*

45

46

47

48

49

50

51

52 *Atriplex argentea* subsp. *expansa*

53

54

55 *Nama hispida*

56

57 *Maurandya Wislizeni*

58

59

60 *Wislizenia refracta*61 *Datura quercifolia*

62

63 *Phaseolus heterophyllus* v. *rotundifolius*

64

65

66

67 *Stachys coccinea*

68

69

70

71

72

8/13/30 Vado

Bernal Co.

" 2 mi. E. Vado

" " "

8/7/30 Mesquite

" " "

8/13/30 2 mi. E. Vado

" " "

9/3/30 2 mi. N. San Miguel

" " "

9/4/30 Vado

9/11/30 Mesquite

" " "

9/9/30 Can. S. end Organ mts

" " "

" " " " " "

" " " " " "

53673

74

75

76

77

78

79

81

82

P-3

84

83

४६

87

88

89

90

91

92

93

94

95

96. *Eriogonum Wrightii*

97

98

99 Heymenochris Wislizeni

53700 *Eriogonum abertianum* v. *neomexicanum*

2

3

4

5

New Mexico

9/9/30 E. base Pyramid Peak Range

Roma Ana Co.

H	H	C_e	γ_{H}	γ_P	γ_T	γ_0	γ_1	γ_∞
D	E	S_N	T_p	L_p	R_p	n	T_f	e

S 3707

8 *Croton fructiculosus*

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25 *Selloa glutinosa*

26

27

28

29

30

31

32

33

34

35 *Asclepias galiooides*

36

37

38

39

40

9/9/30 Can. S. end Organ Mts.

Dona Ana Co.

" W. of S. end Organ Mts. " " "

7/26/30 4 mi. N. Mesquite " " "

53741 *Senecio longilobus*

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64 *Atriplex canescens*

65

66

67

68

69

70

71

72

73

74 *Dipsodia Berlandieri*

8/1/30 S.W. Pyramid Peak

Dona Ana Co.

8/13/30 Vado

" " "

8/16/30 S.W. Pyramid Peak

" " "

53775 *Gutierrezia sarothrae*

76

77

78

79

80

81

82

83 *Neurogama campora*

84

85 *Euphorbia flagelliformis*

86

87

88

89

90

91

92

93

94

95

96

97

98

99

53800

1

2

3

4

Eurotia lanata

5

Andropogon saccharoides

6

7

8

8/16/30 Pyramid Peak

Dona Ana Co.

8/18/30 2 Mi. N.W. San Miguel

8/21/30 Pyramid Peak

53809 *Lippia Wrightii*10 *Ptelea angustifolia*

11

12

13 *Rhus choriophylla*

14

15

16

17 *Portulacum incanum*

18

19

20

21

22

23

24

25

26

27

28

29

30

31 *Kochia americana*

32

33

34

35

36

37

38

39

40

41 *Physalis macrophysa*

42

8/21/30

Pyramid Peak

Dona Ana Co.

"

"

"

..

..

..

"

"

"

..

..

..

8/18/30

2 mi. N.W. San Miguel

..

..

..

8/7/30

mesquite

..

..

..

8/14/30

2 mi. s. La Mesa

..

..

..

53843

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

*Chrysopsis Balandieri**Dalea scoparia**Cyperus speciosus**Corispermum nitidum**Pectis papposa**Oenothera (Anogra) runcinata* v. *gypsophila*

8/18/30 2 mi. N.W. San Miguel

Dona Ana Co.

"

"

"

S.W.

"

"

"

"

"

8/20/30 1 mi. N San Miguel

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

53877

78

79 *Dalea glaberrima*

80

81

82

83

84

85

86 *Bahia biternata*

87

88

89

90

91

92

93

94

95 *Coldenia canescens*

96

97

98 *Kallstroemia grandiflora*

99

53900

1

2 *Sphaeralcea pedata*

3

4

5

6

7 *Mentzelia multiflora*8 *Trianthema portulacastrum*9 *Lippia Wrightii*10 *Ptelea angustifolia*New Mexico - Texas
(Donna Ana Co.)

8/20/30 1 mi. W. San Miguel

Donna Ana Co.

8/20/30 1 mi. W. S. Miguel

Donna Ana Co.

8/5/30 El Paso El Paso Co. Texas

8/5/30 " " " "

8/5/30 El Paso El Paso Co. Texas

8/21/30 Pyramid Peak, n.e. slope near top Donna Ana Co.

53911

12

13 *Rhus choriophylla*

14

15

16

17

18

19

20 *Cassia Lindheimeriana*

21

22

23

24

25

26 *Scirpus paludosus*

27

28 *Garrya Wrightii*

29

30

31

32

33

34

35

36

37 *Phoradendron flavescens* var. ~~obtusum~~ *pubescens*

38

39

40

41

42

43

44

New Mexico
(Donna Ana Co.)

Texas

8/21/30 Pyramid Peak, w. slope Donna Ana Co.

8/5/30 El Paso, El Paso Co. Texas

9/14/30 Mesquite Donna Ana Co.

9/11/30 Pinos Blanca, S. end Organ Mts. " - "

"

"

"

"

"

"

"

" "

S 39 45'

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

53979

80

81

82 *Limnium commune* S.F. Gray var. *Californicum* (Gray) Greene

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

54000

1 *Arctostaphylos pungens*

2

3

4

5

6

7

8

9

10

11

12

Calif - Ariz.

7/10/30 Anaheim Landing, Los Angeles Co.

9/17/30 Bisbee, Mule Mts. Cochise Co. Ariz.

54013

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28 *Artemisia filifolia*

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

9/10/30 6 mi. w. La Mesa

Don Ana Co.

54047

48

49

50

51

52 *Melampodium leucanthum*

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

9/10/30 5 mi. W. La Mesa

Don Ana Co.

54081

82

83

84 *Oenothera runcinata* var. *typica*85 *Senecio Riddellii*

86

87

88

89

90

91

92

93

94

95

96

97

98

99

54000

1

2

3

4

5

6

7

8

9

10

11

12

13

14

*Aster exilis**Verbena bracteosa**Polygonum lapathifolium**Eclipta alba**Baccharis emoryi**Baccharis Douglasii**Baccharis pilularis**Solidago occidentalis**Aster bernardinus*

9/10/30

La Mesa

Donna Ana Co.

9/10/30

La Mesa

Donna Ana Co.

10/13/30

Gardena, Nigger trough, L.A. Co. Cal.

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

54/15'

16

17

18 *Helianthus annuus*19 *Plantago major*20 *Artemisia biennis*21 *Sueda californica*

22

23 *Arthrocnemum subterminale*24 *Haplopappus venetus* subsp. ?

25

26

27 *Salicornia depressa*

28

29

30 *Cuscuta salina*31 *Atriplex decumbens*

32

33

34

35

36

37 *Haplopappus venetus* subsp. ?

38

39 *Eriogonum gracile*

40

41

42

43 *Eriogonum wrightii* var. *taxifolium*

44

45 *Haplopappus pinifolius*

46

47 *Gutierrezia sarothrae*48 *Lolidago californica*

10/18/30 Gardena

L. A. Co.

10/18/1930 Gardena, Migger blough, L. A. Co. Cal.

..

10/25/30 3 mi. n. Oceanside San Diego Co. "

..

..

11/25/30 Oceanside

10/25/30 5 mi. s. Oceanside, San Diego Co. Cal.

..

..

10/25/30 Pine Valley

10/25/30 ..

..

10/25/30 Pine Valley San Diego Co. Cal.

54/149 *Artemisia tridentata*

50

51

52

53

54

55

56

57

58

59

60

61

62

63 *Eriogonum gracile*

64

65

66

67

68 *Polygonum lapathifolium*

69

70

71

72

73

74

75 *Solidago confinis* var. *luxurians*

76

77 *Polygonum punctatum*78 *Hydrocotyle umbellata*79 *Haplopappus venetus* ~~ssp.~~ *vernonioides*80 *Aster exilis*81 *Aster bernardinus*82 *Solidago californica*

10/29/30 Pine Valley

San Diego Co. Cal.

10/26/30 Coches G., 2 mi. w. Bostonia, San Diego Co.

11/11/30 Templeton, s. of Puente L.A. Co.

11/11/30 Templeton, s. of Puente L.A. Co.

11/11/30 Templeton, s. Puente L.A. Co. Calif

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

S4183 *Baccharis Emoryi*

84

85

86

87 *Lorqlum halepense*

88

89 *Polygonum punctatum*

90

91

92

93

94 *Ambrosia pailoatachya*

95

96

97

98 *Atriplex semibaccata*

99

S4200

1 *Haplopappus venetus* var. *vernonioides*

2

3

4 *Eriogonum cinereum*

5

6

7

8 *Isomeris arborea*

9

10

11

12

13

14 *Gnaphalium bicolor*

15

16 *Bidens pilosa*

11/11/30 Templeton, s. Puente, L. A. Co. Cal.

11/17/30 3 mi. s.e. Chino San Bern. Co.

11/17/30 3 mi. s.e. Chino San Bern. Co.

" " " " " " " "

" 2 mi. s. " " " "

11/17/30 2 mi. s. Chino San Bern. Co. Cal

11/23/30 Portuguese Bend L. A. Co.

2/12/30 Mint Canyon San Gab. Mts.

3/1/31 Topanga Can, 2 1/2 mi. below Wildwood

" " " " " " " "

54217

18 *Alnus rhombifolia*

19

20

21

22 *Ceanothus cuneatus*

23

24

25 *Gilia californica*26 *Lathyrus laetiflorus*

27

28

29 *Ceanothus divaricatus*

30

31

32

33

34

35

36

37

38 *Rhamnus crocea* v. *pirifolia*

39

40

41

42

43

44

45

46

47

48

49

50

3/1/31 Topanga Can. 2 1/2 mi. below Wildwood, L. A. Co.

3/1/31 Topanga Can. 2 1/2 mi. below Wildwood, L. A. Co.

3/1/31 Topanga Can. 1/2 mi. below Wildwood L. A. Co.

3/1/31 Topanga Can., 1 1/2 mi. below Wildwood, Sta. Monica Mts. L. A. Co.

3/18/31 Hamilton Can. Santa Catalina Is. Santa Catalina Co.

54251

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

*Tropidocarpum gracile**Baeria chrysostoma**Gilia bigelovii**Cercocarpus betuloides* var. *multiflorus**Chenopodium californicum*det.
P. A. M.

7/15/31 Grapevine

Kern Co.

3/18/31

Hamilton Conn. Sta. Catalina Is.

L. A. Co.

54285 ^{Xanthi var.} *Solanum Wallacei*
 86 *Rhus integrifolia*
 87 *Echinocypth macrocarpa*
 88
 89 *Sambucus glauca coccinea*
 90 *Encelia californica*
 91 *Salvia melifera*
 92 *Castilleja foliolosa*
 93 *Mirabilis californica laevis*
 94 *Lotus argophyllus v. ornithopus*
 95
 96
 97
 98
 99
 54800 *Symphoricarpos albus v. mollis*
 1 *Rhus diversiloba*
 2
 3 *Lotus scoparius var. dendroideus*
 4 *Stipa lepidota*
 5 *Muhlenbergia microsperma*
 6 *Festuca megalura*
 7 *Melica imperfecta*
 8 *Holcus sorghum* *sorghum halapense* Pers.
 9 *Thysanocarpus laciniatus*
 10 *Poa scabrella*
 11 *Galium aparine L.*
 12 *Solanum Douglasii*
 13 *Tillaea erecta*
 14
 15 *Oenothera biennis* *typica* *micrantha typica*
 16
 17
 18

- 3
 54319 *Geranium carolinianum*
 20 *Bouleria incana*
 21
 22
 23
 24 *Gnaphalium bicolor*
 25
 26 *Ceanothus arboreus*
 27 *Salix lasiophylla*
 28
 29 *Amsinckia spectabilis*
 30 *Baccharis viminea*
 31
 32 *Spergularia marina* (L.)
 33 ~~*Nemophila*~~ *racemosa*
 34 *Sanicula laciniata*
 35 *Convolvulus occidentalis* v. *Cyclostegius*
 36
 37
 38 *Gnaphalium chilense* v. *confertifolium*
 39 *Candelia microcarpa*
 40
 41 *Alchemilla ~~arvensis~~ cuneifolia*
 42
 43 *Poa scabrella*
 44
 45 ~~*Nemophila*~~ *racemosa*
 46 *Nemophila racemosa* white form
 47 *Hesperocnide tenella*
 48 *Ranunculus heterophyllus*
 49 *Parietaria ~~debilis~~ floridana*
 50 *Cryptantha ~~Chenopodii~~ v. florosa*
 51 *Plagiobothrys Catalinensis*
 52

3/20/31 Hamilton Can. Sta Catalina Is. L.A. Co.

" " " " " " " " " " " "

3/22/31 " " " " " " " " " " " "

3/23/31 " " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" Descanso Can. " " " " " " " " " "

" Hamilton Can. " " " " " " " " " "

" " " " " " " " " " " "

3/24/31 " " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

54953

54 *Galium angustifolium*

55

56

57

58 *Quercus dumosa*

59

60 *Plantago hookeriana* var. *californica*61 *Dodecatheon Clevelandi*62 *Castilleja parviflora* v. *Douglasii*

63

64

65 *Gilia millefoliata*66 *Filago californica*67 *Trifolium tridentatum*68 *Vicia edigna*69 *Brodiaea capitata*

70

71 *Muhlenbergia microsperrima*

72

73 *Lathyrus strictus*74 *Lupinus truncatus*

75

76 *Bacria chrysostoma*77 *Lupinus micranthus*78 ~~*Spergularia maritima*~~79 *Plagiobothrys catalinensis*

80

81

82

83 *Plantago hookeriana* var. *californica*

84

85

86 *Lotus Americanus*

3/24/31 Hamilton Can. Santa Catalina Is. L.A. Co.

3/25/31

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

" " " " " " " "

7/11/31 Cape Can. Sta. Catalina Is. L.A. Co.

543³87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

*Astragalus nigrescens**Lotus strigosus**Lotus hamatus**Muhlenbergia microsperma**Atriplex semibaccata**Eriophyllum confertifolium**Domeris arborea**Plantago hookeriana* var. *californica*54400 *Penstemon cordifolius**Pectocarya linearis**Lotus hamatus**Lotus strigosus**Plantago insularis* v. *typica**Baeria chrysostoma**Ellisia chrysanthemifolia**Lupinus concinnus* v. *Agardhianus**Lupinus succulentus**Senecio Lyonii**Gilium catalinense**Microseris linearifolia**Coreopsis gigantea*

3/26/31 above St. Catherine Hotel, Sta. Cal. I. L.A. Co.

..

..

3/26/31 above St. Catherine Hotel, Sta. Cal. I. L.A. Co.

3/26/31 above St. Catherine Hotel, Sta. Catalina I. L.A. Co.

"

"

3/27/31

3/27/31

..

..

..

..

..

3/27/31

..

..

..

..

..

..

..

..

..

..

..

..

Pebbly Beach Rd.

- 54#55 *Viola pedunculata*
 56 *Calochortus catalinae*
 57 *Cirsium occidentale*
 58
 59
 60
 61 *Polygonum ~~amissimum~~ argyrocoleon* Hand. ~~Rob.~~ det. Brunchlo
 62
 63 *Pedistyle Emoryi*
 64 *Lotus saliciginosus*
 65
 66 *Spergularia macrotheca*, v. *scariosa*
 67
 68
 69
 70
 71
 72
 73
 74 *Phalaris canariensis*
 75 *Distichlis stricta* v. *laxa*
 76 *Pholurus incurvus*
 77 *Hordeum nodosum*
 78 *Spergularia marina*
 79 *Pluchea sericea*
 80 *Malacothrix repens*
 81
 82
 83
 84 *Bromus marginatus*
 85 *Ribes viburnifolium*
 86 *Claytonia perfoliata*
 87 *Hesperocnido tenella*
 88

54#89 *Apiastrum angustifolium*

90

91 *Microseris lindleyi*92 *Cryptantha clelandii* var. *florosa*93 *Bromus hordeaceus*94 *Festuca pacifica*95 *Habenaria senalanchensis*

96

97 *Mimulus puniceus*98 ~~*Epilobium*~~ *Triophyllum nevadense*

99

54500

1 *Bromus laevipes*2 *Echeveria virens*

3

4

5

6

7

8

9

10

11

12

13 *Loranthum halepensis*

14

15

16

17

18 *Lonicera hispidula* var. *vacillans*

19

20 *Scrophularia californica* var. *californica*

21

22 *Crocosoma californicum*

4/4/31 Cherry Can. Sta. Cat. I. L.A. Co.

" " " " " " " " " " " "

4/4/31 Cherry Can. Santa Catalina I. L.A. Co.

4/7/31 Hamilton Beach " " " " " "

4/7/31 Hamilton Can. " " " " " "

" " Beach " " " " " "

" " Can " " " " " "

" " Beach " " " " " "

" " " " " " " " " "

4/22/31 Avalon V., Chicken Johnnies " " " " " "

4/8/31 Avalon V. " " " " " "

4/8/31 Avalon V. " " " " " "

54523

24

25

26

27 *Festuca pacifica*28 *Muhlenbergia discolor*

29

30

31 *Daucus pinnatifidus*

32

33

34

35

36

37

38

39

40

41

42

43

44 *Lauca microcarpa*

45

46 *Caulanthus lasiophyllus*

47

48 *Plantago hookeriana* var. *californicum*49 *Godetia epilobioides*

50

51

52

53

54 *Bloemeria crocea*

55

56

54546 *Festuca pacifica* Avalon Can. 4/10/31.

4/10/31 Hamilton Can.

4/10/31 Hamilton Can. Sta. Catalina Is. L.G. Co.

" Avalon " " " "

" Avalon Can. " " " " " "

" " " " " " " " "

" " " " " " " " "

" " " " " " " " "

" " " " " " " " "

- 54557 *Harpagonella palmeri*
 58 *Cryptantha clevelandii* var. *florosa*
 59 *Ceanothus megacarpus* v. *insularis*
 60 *Atriplex coulteri*
 61
 62 *Adenostoma fasciculatum*
 63
 64
 65 *Polygonum angyrocoleon* Steud.
 66
 67
 68 *Habenaria unalaschensis*
 69
 70
 71
 72
 73 *Daucus pusillus*
 74
 75 *Phyllospadix Torreyi*
 76 *Hippopappus venetus* subsp. *furfuraceus*
 77
 78
 79 *Isomeris arborea*
 80 *Dandromea con ~~rigida~~ var. Harfordii* Kell.
 81 *Lithophragma affinis*
 82
 83
 84 *Rubus vitifolius*
 85 *Vitis quinquaria*
 86 *Opals Wrightii californica*
 87
 88 *Torilis nodosa*
 89
 90

- 4/10/31 Pacific Divide Sta. Cat. I. L.A. Co.
 4/10/31 Avalon Can. below Pacific Div. Sta. Cat. I. L.A. Co.
 4/10/31 Pacific Divide, Sta. Catalina Is. L.A. Co.
 " " " " " "
 " Avalon Can. " " " " "
 4/11/31 Hamilton Can. " " " " "
 4/12/31 Near Jewfish Point. " " " " "
 " Jewfish Point " " " " "
 " Palisades near Jewfish Pt. " " " " "
 " " " " " " " " "
 4/13/31 Ranton mine, Pebble Beach Can. " " " " "
 " " " " " " " " "
 " Pebble Beach Can. " " " " "
 " Pebble Beach Can. N. pk. " " " " "
 " " " " " " " " "
 " Ranton mine Pebble Beach Can. " " " " "

- 54608 *Bromus carinatus* Middle Ranch Can. Sta. Cat. Is. L.G. Co. 4/14/31
- 18 *Elymus glaucus* " " " " " " " " " " " "
- 16 *Carex microcarpa* Eagle Nest Mid. Ranch Can. " " " " " " " " " " 15/
- 17 *Vicia epigua* " " " " " " " " " " " "
- 18 *Astragalus leucopsis* " " " " " " " " " " " "
- 19 *Juncus balticus* " " " " " " " " " " " "
- 16 *Hordeum pusillum* " " " " " " " " " " " " 17/
- 71 *Plantago coronopus* " " " " " " " " " " " "
- 79 *Cornus glabrata* Hamilton Can. " " " " " " " " " " 14/
- 94 *Eriogonum penduliflorum* Upper Middle Ranch Can. " " " " " " " " " " 13/
- 30 *Centaurium venustum* Healds. Swains Can. n.e. sl. Blackjack " " " " " " " " " " 4/23/31
- 07 *Muhlenbergia microcarpa* Eagle Nest " " " " " " " " " " " "
- 77 *Gastrophysalis ventricosa* " " " " " " " " " " " " 4/14/31
- 35 *Arctostaphylos tomentosa* Healds. Swains Can. n.e. sl. Blackjack " " " " " " " " " " 4/22/31
- 4/23/31

54689

- | | | | |
|------|---|---|---------|
| 4689 | <i>Plantago hookeriana</i> v. <i>californica</i> | Head of Swains Can., foot of Black Jack, S.C.I. | 4/23/31 |
| 4659 | " " | Bulrush Ridge | 4/16/31 |
| 4657 | <i>Cruciferae</i> | " " | " " |
| 4629 | <i>hookeriana</i> | Eagles Nest, M.A. Can. | 4/15/31 |
| 4696 | <i>Godetia quadrivalens</i> | Hay Press | 4/23/31 |
| 4687 | <i>Orobancha bulbosa</i> | Head of Swains Can., foot of Black Jack | " " |
| 4699 | <i>Salvia columbariae</i> | Cape Can. | " " |
| 4606 | <i>Verbena</i>
<i>Verbena prostrata</i> | Eagles Nest M.A.C. | " " |
| 4619 | <i>Juncus</i> | " " | " " |
| 4638 | <i>Lepidium nitidum</i> | " " | " " |
| 4690 | <i>Calochortus splendens</i> | s.e. sl. Black Jack Mt. | " " |
| 4648 | <i>Atriplex coulteri</i> | Bulrush Ridge | 4/16/31 |
| 4656 | <i>Plagiobothrys catalinensis</i> | Eagles Nest | 4/16/31 |
| 4695 | <i>Pectocarya linearis</i> | Bulrush Ridge | 4/16/31 |

S 4666	<i>Hordeum pusillum</i>	Eagles Nest	S. C. J.	4/24/31
S 4672	<i>Melica imperfecta</i>	" "	" "	" "
S 4613	<i>Galium aparine</i>	" "	" "	4/15/31

S4591

S4592 *Echthya elegans*
Pebble Beach
4/13/31

- 92 *Pholipetoma aurita*
93
94 *Caulanthus lasiophyllus*
95 *Phalaris canariensis*
96
97 *Eriodictyon trashianae*
98 *Phacelia distans*
99

S4700

- 1
2 *Satureja Douglasii*
3
4 *Populus trichocarpa*
5 *Lycium californicum*
6
7 *Haplopappus ^{venustus} purpureus*
8 *Rumex salicifolius*
9
10 *Atriplex californica*
11
12 *Heliotropium curassavicum*
13 *Achillea millefolium* v. *lanulosa*
14 *Centaureum venustum*
15
16
17 *Apiastrum angustifolium*
18 *Amblyopappus pusillus*
19 *Melica imperfecta*
20
21
22
23
24

4/13/31 Pebble Beach Canyon, rt. fr. Sta. Catalina Is. L.A.C.

" " " " 4 " " " " " "

4/23/31 below Swains Can., n.e. of Black Jack " " " " " "

4/13/31 Pebble Beach " " " " " "

4/28/31 Eagle's Nest, Middle Ranch Can. Sta. Catalina Is. L.A.C.

" " " " " " " " " " " "

4/29/31 " " " " " " " " " " " "

" Cottonwood Can. " " " " " "

" Cottonwood Can. " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" Bet. " & Middle Ranch Can " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

54725

26 *Distichlis spicata*

27

28 *Festuca reflexa*29 *Agrostis diegoensis*

30

31 *Rumex salicifolia*32 *Mesembryanthemum nodiflorum*33 *Opuntia prolifera*

34

35

36

37

38

39

40 *Rubus vitifolius*41 *Verbena prostrata*

42

43 *Rosa californica*

44

45 *Convolvulus arvensis*

46

47 *Rumex conglomerata*48 *Ruppia nasturtium-aquaticum*49 *Lupinus exculbitus* var. *Hallii*50 *Zostera marina*51 *Juncus bufonius*

52

53

54 *Ruppia maritima*

55

56 *Salix laevigata*

57

58

54749a
Phacelia
5/4/31
Lyons
Mid. R. Can.
Sta. Catal. I.

2nd bridge below Eagle's Nest.

4/29/31 mouth Cottonwood Can.

Sta. Catal. I. L.G.C.

4/29/31

Bet. Cottonwood & Middle Ranch Can. Sta. Catalina I. L.G.C.

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

1/2 mi. below Eagle's Nest. Middle Ranch Can.

"

mouth of Cottonwood Can.

5/2/31

Middle Ranch Dam

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

5/2/31

Middle Ranch Dam.

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

5/12/31

Decades Can. nr. Coach Rd.

"

"

"

"

5/4/31

mouth of Middle Ranch Can.

5/4/31

Middle Ranch Can. Mid Bridge below Eagle's Nest

"

"

"

"

"

"

"

"

"

"

"

"

mouth of Middle Ranch Can.

54759

60

61

62 *Madia epigua*63 *Photinia arbutifolia* v. *macrocarpa*

64

65

66 *Harpagomella palmeri*

67

68 *Spergularia mauna*

69

70 *Malvastrum fasciculatum* v. *laxiflorum*

71

72 *Lonicera hispidula* var. *vacillans*

73

74

75

76

77

78

79

80 ~~*Cressa cretica*~~

81

82 *Centaurium venustum*

83

84

85

86

87

88

89

90 *Eriodictyon trashiae*

91

92

5/4/31

Bullrush Canyon Sta. Catalina Is. S. A. Co.

"

"

"

"

"

"

"

"

"

"

mouth of Middle Ranch Can.

5/5/31

Middle Ranch Dam, Middle Ranch Cany. Sta. Cat. Is. " " "

"

Bullrush Can.

"

"

"

Little

"

Bullrush Can. Sta. Cat. Is. S. A. Co.

5/6/31

Cape Can. near head, Sta. Cat. Is.

"

54793 *Salix laevigata* v. *araguipis*

94

95 *Eriodictyon trasleriae*

96

97

98 *Cercocarpus betuloides*

99

54800

1

2

3 *Lathyrus strictus*

4

5

6 *Lathyrus strictus*

7

8 *Salvia apiana*

9

10

11

12

13

14 *Layia platyglossa*15 *Hemizonia fasciculata*

16

17

18

19 *Calochortus splendens*

20

21

22

23

24

25

26

5/6/31 Cape Can.

S.C.I. L.G.Co.

5/6/31 Cape Can. (middle part) Sta. Cat. I.L.A.Co.

5/6/31 Cape Canyon, Sta. Catalina Is.

L.G.Co.

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

- 84827 *Vitis girdiana*
 28
 29
 30
 31 *Elymus condensatus*
 32
 33
 34 *Pteridium aquilinum* v. *pubescens*
 35
 36
 37
 38 *Hemizonia clementina*
 39
 40
 41
 42
 43 *Verbena prostrata*
 44 *Calochortus splendens*
 45 *Mimulus floribunda*
 46 *Mimulus cardinalis*
 47
 48 *Lupinus exarbitus*
 49 *Lupinus exarbitus* var. *Hallii*
 50
 51 *Lonicera hispidula* var. *vacillans*
 52 *Calochortus splendens*
 53
 54
 55 *Haplopappus venetus vernonioides*
 56
 57 *Erigeron foliosus*
 58
 59
 60

- 5/7/31 Cottonwood Can. Sta. Cat. I. L. A. Co.

 5/7/31 Cottonwood Can. st. fl. Sta. Cat. I. L. A. Co.

 5/7/31 Bel. Middle Ranch & Cottonwood Can. Sta. Catalina I. L. A. Co.
 .. Sweetwater Can. ..
 .. Cottonwood Can. ..

 5/7/31 st. fl. Cottonwood Can. ..
 5/12/31 Descans Can. near Coach Rd. Sta. Cat. I. L. A. Co. Cal.
 .. Hay Press ..
 .. Renton Pass ..
 .. Renton Pass ..
 5/11/31 Hamilton Can. ..

- 54 861 *Juncus oxymeris*
 62
 63
 64
 65 *Calochortus splendens*
 66
 67 *Habenaria unalaschensis*
 68
 69
 70
 71 *Pistichlis stricta* v. *laxa*
 72
 73
 74
 75
 76 *Cirsium occidentale*
 77 *Phyllospadix Torreyi*
 78
 79 *Franeria bipinnatifida*
 80 *Cressa trussilensis*
 81 *Abronia maritima*
 82 *Lycium californicum*
 83
 84
 85 *Frankenia grandiflora*
 86 *Arthrocnemum subterminale*
 87 *Amizonia clementina*
 88 *Arthrocnemum subterminale*
 89
 90 *Echeveria albida*
 91 *Mesembryanthemum crystallinum*
 92 *Opuntia littoralis*
 93 *Suaeda californica*
 94 *Atriplex Lemnophylla*

5/13/31 Eagles Nest, Middle Ranch Can. Sta Catalina I. L.A. Co.

5/14/31 Middle R. Can. " " " " "

5/14/31 Midd. R.C. near mth. Cape Can. " " " " "

5/14/31 Middle Ranch Can m. Cape Can. " " " " "

4/16/31 Little Harbor " " " " "

5/16/31 " " " " " " " " "

5/16/31 Little Harbor, Sta. Cat. I. Los Angeles Co.

" " " " " " " " "

" Cottonwood Can " " " " "

5/17/31 Little Harbor " " " " "

" " " " " " " " "

" " " " " " " " "

" " " " " " " " "

" " " " " " " " "

" " " " " " " " "

" " " " " " " " "

5/18/31 " " " " " " " " "

" " " " " " " " "

" " " " " " " " "

5/18/31 Little Harbor, Sta. Cat. I. Los Angeles Co.

54895 *Jaumea carnosa*

96

97

98

54900 *Juncus acutus* v. *sphaerocarpus*

1

2

3

4

5 *Perezia microcephala*6 *Baccharis Douglasii*

7

8

9

10 *Mimulus cardinalis*

11

12

13 *Suaeda californica* v. *pubescens*

14

15

16 *Dichondra repens*17 *Chrysanthemum staticoides*18 *Lychnothamnus floribundus*19 *Arctostaphylos tomentosa*

20

21

22

23

24

25 *Atriplex decumbens*

26

" 27 *Vitis girdiana* *Monardochloa littoralis*

28

5/18/31 Little Harbor Sta. Cat. 2.

L. G. Co.

5/18/31 Little Harbor Sta. Cat. 2

L. G. Co.

5/18/31 Cottonwood Can. Sta. Cat. 2.

L. G. Co.

"

"

"

"

"

"

"

"

"

"

"

"

"

Sweetwater Can.

"

"

"

"

"

"

"

"

"

"

5/20/31 Catalina Harbor

5/19/31 Head of Swains Can. base of Black Jack

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

5/19/31 Head of Swains Can. base of Black Jack Mt. Sta. Cat. 2.

5/19/31 Head of Swains Can. foot of Black Jack Mt. Sta. Cat. 2. L. G. Co.

5/20/31 Ballast Pt. Catalina H. Sta. Cat. 2.

L. G. Co.

5/20/31 Catalina H. Cottonwood Can. above Dam

" " " " " "

54929

30 *Hemizonia fasciculata*

31

32 *Galium nuttallii*33 *Dendromecon rigida*, v. *Hayfordii*

34

35

36

37

38

39

40

41

42

43

44 *Calochortus splendens*

45

46

47

48

49

50

51

52

53

54

55 *Eschscholzia californica*56 *Arctostaphylos bicolor*57 *Photinia arbutifolia* v. *macrocarpa*

58

59

60

61

62

5/21/31 Parson's Landing Sta. Cat 2. L. G. Co.

.. Bot. Cherry V. & Howlands Ldg. Sta. Cat. 1. "

5/21/31 Bot. Cherry V. & Howlands Landing Sta. Cat 2. L. G. Co.

5/21/31 Johnsons Landing

5/21/31 Howlands Landing " " " " "

5/21/31 Bot. Cherry V. " " " " "

" Cherry V. " " " " "

54963

64 *Brachypodium distachyum*

65

66 *Lolium multiflorum*

67

68

69 *Spergularia macrotheca*

70

71 *Chenopodium botrys*

72

73

74

75

76

77

78

79

80

81

82

83

84

85 *Monardella Douglasii*86 *Clarkia elegans*

87

88 *Arctostaphylos mariposa*

89

90

91 *Elymus triticoides*

92

93

94

95 *Malvastrum fremontii*

96

5/22/31 Lathum N. Sta. Cut. Is.

L.G. Co.

" " " " " "

" " " " " "

5/24/31 La Crescenta

6/7/31 Mono Bay

San Luis Obispo Co.

6/7/31 Pinnacles, San Benito Co. Cal.

6/1/31 El Portal, Merced R. Mariposa Co. "

6/1/31 El Portal, Merced River, Mariposa Co. Cal.

5/18/31 Little H. Sta. Cut. Is. L.G. Co.

6/6/31 San Benito V. 10 mi. below San Benito, S. B. Co. Cal.

54997

98

99

55000

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

*Boisdurallia densiflora**Oenothera californica* Wats.*Stillingia linearifolia*

6/6/31 Pinnacles Nat. Mon. San Benito Co. Cal.

6/14/31 Lower Cajon Wash, San Bernardino Co. Cal.

" " " " " "

550 31

32

33

34

35

36 *Philadelphus Lewisii* var. *californicus*

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55 *Godetia dudleyana*56 *Godetia virginea*

57

58

59

60

61

62 *Collinsia tinctoria*

63

64

6/1/31 El Portal, Merced River, Mariposa Co.

.. .. .

.. .. .

6/1/31 Yosemite Rd. 6 mi. above Mariposa, Mariposa Co.

550 65

66

67 *Godetia amoena*

68

69

70

71

72 *Lupinus albifrons*

73

74

75

76

77

78

79

80

81

82 *Penstemon antirrhinoides*

83

84 *Gutierrezia californica*

85

86 *Eriogonum fasciculatum* var.

87

88

89 *Artemisia dracunculifolia* var. *glauca*?90 *Trichostema lanatum*91 *Oxalis ~~wrightii~~ pilosa*

92

93

94 *Romneya Coulteri*

95

96

97 *Oxalis wrightii*

98

55094a *Malvastrum fasciculatum* var. *laeviflorum*
6/4/31 Lower Santiago Can. Orange Co.

6/4/31 Bet. Santa Cruz + Big Basin, Sta. Cruz Mts. S. C. Co.

6/4/31 Bet. Santa Cruz + Big Basin, Sta. Cruz Mts. Sta. Cruz Co.

6/21/31 Lower Santiago Can. Orange Co.

" " " " " "

" " " " " "

" " " " " "

" Silverado Can. Santa Ana Mts. Orange Co.

" Lower Santiago Can. " "

" Silverado Can. " "

- 55099 *Chaenactis glabriuscula* var. *lanosa*
 55100 *Gilia virgata*
 1 *Malvastrum fasciculatum* v. *laxiflorum*
 2
 3 *Eriodictyon trichocalyx*
 4
 5 ~~Mimulus~~ *Mimulus longiflorus*
 6
 7 *Pinus contorta* var. *munayana*
 8
 9
 10 *Mimulus fremontii*
 11
 12
 13
 14
 15
 16 *Gilia virgata*
 17
 18
 19
 20 *Gilia densifolia*
 21 *Eriodictyon trichocalyx*
 22
 23
 24 *Atriplex bracteosa*
 25 *Atriplex argentea* ssp. *expansa*
 26 *Salvia leucophylla*
 27
 28 *Mimulus longiflorus*
 29
 30
 31
 32

- 6/21/31 Silverado Can. Santa Ana Mts. Orange Co.
 6/14/31 Lower Cajon Wash San Bern. Co.
 6/21/31 Silverado Can. Santa Ana Mts. Orange Co.
 6/23/31 San Antonio Falls, Mt. San Antonio San Bern. Co.
 6/23/31 Menkies Flats, Mt. San Antonio, San Bern. Co.
 6/23/31 Mt. San Antonio, ^{summit,} San Bernardino Co.
 6/14/31 Lower Cajon Wash

 6/14/31
 6/14/31 Lower Cajon Wash San Bern. Co.
 6/19/31 Chino

 .. Carbon Can. Puente Hills, Orange Co.

55133

34

35 *Phacelia ramosissima*

36

37 *Silene laciniata*

38

39

40

41

42 *Convolvulus occidentalis* v. *angustissimus*

43

44

45 *Solidago californica*46 *Lythrum californicum*47 *Penstemon antirrhinoides*

48

49 *Penstemon heterophyllus*

50

51 *Datisca glomerata*52 *Juncus oxymeris*

53

54 *Heliotropium curassavicum*

55

56

57 *Salvia leucophylla*

58

59

60

61

62

63

64

65

66

6/21/38 Silverado Can. Santa Ana Mts. Orange Co.

..

..

..

..

..

..

..

..

6/19/38 Carbon Can. Puente Hills, Orange Co.

..

55167

68

69

70 *Atriplex leucophylla*

71 *Alrobia maritima*

72

73

74 *Ambrosia psilostachya*

75 *Baccharis douglasii*

76 *Anemopsis californicus*

27

78

79 Luaceda

80 *Cuscuta californica*

81 *Potentilla pacifica*

82 *Oenothera cheiranthifolia*

83

84 *Alvonia alba* var. *platyphylla*

85' *Larpinus arboreus*

80

87 *Mimulus longiflorus*

88 Godetia

89 *Phacelia hispida*

90 *Malacothrix saccatilis*

91 *Malacothrix saxatilis* var. *tennifolia*

92 *Zauschneria californica*

93 *Eriogonum cinereum*

58

93

50

98

98 Elymus

99

55200

6/28/31 Mandalay Beach, Ventura Co.

6/28/31 Mandalay Beach, Ventura Co.

6/28/31 Mandalay beach, Ventura Co.

6/28/31 Mandalay Beach, Ventura Co.

6/28/71 Mandalay Beach, Ventura Co.

6/28/31 ~~At~~ Conejo Pass, Ventura Co.

4/28/31 Conejo Pass, Ventura Co.

.. .. (no. on label 55131)

6/6/31 Pinnacles San Benito Co., Cal.

55201 *Rubus*

2

3 *Whipplea modesta*

4

5 *Madia madioides*6 *Ranunculus repens*?

7

8

9

10

11 *Juncus tenuis* var. *congestus*

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34 *Godetia quadrivulvata*

4/4/31 near Glenwood, Sta. Cruz Mts. S. C. Co.

6/5/31 Big Basin " "

6/4/31 near Glenwood, Sta. Cruz Mts. S. C. Co.

6/4/31 near Glenwood, Santa Cruz Mts. Santa Cruz Co.

6/5/31 Big Basin, Santa Cruz Mts. Santa Cruz Co.

6/6/31 Pinnacles Nat. Mon. San Benito Co. Cal.

55285

36

37

38

39

40

41

42

43

44

Hemizysia

45

Osmorhiza nuda

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

6/6/31 Pinnacles Nat. Mon. San Benito Co. Cal.
 6/4/31 near Glenwood Sta Cruz Mts. Sta. Cruz Co.

55264

70

71

72

73

74

75

76

77

78

79

80

81

82

83 *Clintonia Andrewsiana*

84

85

86

87

88

89 *Vicia gigantea*

90

91

92

93

94

95

96

97

98

99

55300

1

2

6/4/31 Near Glenwood, Santa Cruz Mts., Sta. Cruz Co., Cal.

6/4/31 Road bet. Santa Cruz & Big Basin, near Summit, Sta. Cruz Co.

55371 *Juncus oxymeris*

72

73 *Rhus laurina*74 *Quercus dumosa*75 *Corethrogyne filaginifolia* v. *virgata*

76

77

78

79 *Eriogonum giganteum*

80

81 *Artemisia Douglasiana*

82

83 *Eremocarpus setigerus*84 *Artemisia dracunculoides*

85

86

87

88

89

90

91

92

93

94 *Stephanomeria virgata*

95

96

97

98

99 *Arctostaphylos tomentosa*100 *Helianthemum scoparium*

55400

1 *Centaurea solstitialis*

2

3 *Verbena bracteosa*4 *Gnaphalium palustre*

7/10/31 Eagles Nest.

7/10/31 Eagles Nest, Middle Ranch Can. St. Cat. I. L. G. C.

" " " " " " " " " " " "

7/11/31 Mouth Cape Can. " " " " " " " " " " " "

" Middle Ranch, Middle R. Can. " " " " " " " " " " " "

" " Mouth of Cape Can. " " " " " " " " " " " "

" Middle of " " " " " " " " " " " "

" " " " " " " " " " " "

7/13/31 Avalon " "

7/14/31 Hay Press " " " " " "

7/14/31 Hay Press " " " " " "

" Middle Ranch Can. " " " " " " " " " " " "

7/14/31 Echo Lake " " " " " " " " " " " "

" " " " " " " " " " " "

S 5405

6

7 *Eriogonum giganteum*

8

9

10

11

12 *Verbena prostrata*13 *Gilia giliodes*

14

15 *Galvesia speciosa*

16

17

18 *Conothrogone filaginifolia* n. vergala19 *Zauschneria cana*

20

21 *Haplopappus venetus* ssp. *furfuraceus*

22

23 *Atriplex argentea* subsp. *expansa*

24

25

26 *Salicornia subsp.*27 *Malvastrum fasciculatum*

28

29

30

31

32

33 *Quercus dumosa*

34

35

36

37

38

7/14/31 Whites Landing Sta. Cal. I. L.A. Co.

7/14/31 Hamilton Can. Sta. Cal. I. L.A. Co.

" " " " " " " " " " " "

7/15/31 Isthmus " " " " " " " " " " " "

7/15/31 Isthmus " " " " " " " " " " " "

7/15/31 Isthmus. " " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

7/16/31 Gallagher's Can. " " " " " " " " " " " "

7/16/31 Gallagher's Can. off. " " " " " " " " " " " "

55468 *Eriodictyon parryi*
 55485 *Ceratophyllum demersum*
 55487 *Lisymbium cunninghamii*
 55488 *Eriogonum molestum* v. *dauidsonii*
 55498 *Lupinus superbis* Heller v. *bernardinus*
 55499 *Polygonum lapathifolium*
 55440 *Cuscuta californica*
 55445 *Juncus orthophyllus* v. *paniculatus*
 55444 *Solidago confinis*
 55447 *Eriogonum elongatum*
 55446 *Penstemon ternatus*
 55492 *Lotus eriophorus* var. *heermanni*
 55490 *Boerhaavia elata*
 55486 *Potamogeton americanus*
 55482 *Lilene parishii*

8/12/31 Buckhorn Tr. Islip. Williamson div. Tangab. Mts. D.C.C.
 8/10/31 Crystal Lake, 40 fls. Tangab. Can. " " "
 8/11/31 " " " " " " "
 " " " " " " "
 " Lower Pine Flats " " " "
 " Crystal Lake " " " "
 8/13/31 Islip Trail, s. slope Mt. Hawkins " " "
 " Big Cienega, Pine Flats " " "
 " " " " " " "
 8/12/31 Pine Flats First Camp " " "
 8/13/31 " " " " " " "
 8/11/31 Lower " " " " "
 " " " " " " "
 " Crystal L. " " " "
 8/12/31 Summit Mt. Islip " " "

- S 5438 *Quercus chrysolepis* 8/13/31 Islip - Hawkins Div. s. sl. Mt. Hawkins, L. A. Co.
- S 5448 *Umbellularia californica* 8/14/31 Pine Flats, San Gabriel Can. "
- S 5449 *Lonicera subspicata* var. *johnstonii* " " " "
- S 5451 *Oxytheca parishii* 8/11/31 Islip Trail near Islip-Hawkins Div. "
- S 5457 *Castanopsis sempervirens* 8/12/31 summit, Mt. Islip "
- S 5459 *Chaenactis santolinoides* 8/12/31 " " " "
- S 5460 *Eriogonum wrightii* var. *subcaespitosum* 8/12/31 " " " "
- S 5462 *Eriogonum nudum* v. *puberulum* 8/12/31 Buckhorn Trail, Islip-Williamson Divide "
- S 5465 *Eriogonum molestum* v. *dawsonii* " " " " " "
- S 5474 *Hieracium albiflorum* " " " " " "
- S 5491 *Castilleja miniata* 8/11/31 Lower Pine Flats, San Gabriel Can. "
- S 5493 *Equisetum hyemale* var. *robustum* " " " " " "
- S 5494 *Alnus rhombifolia* " " " " " "
- S 5495 *Ceanothus divaricatus* v. *eglandulosus* " " " " " "
- S 5496 *Mimulus cardinalis* " " " " " "
- S 5501 *Gnaphalium palustre* " Crystal Lake " " " "
- S 5544 *Lotus oblongifolius* 8/13/31 Big Cienega, " " " "
- S 5598 *Helene verecunda* v. *platyota* 8/11/31 Islip trail above Big Cienega " " " "
- S 5622 *Quercus chrysolepis* 8/10/31 Crystal Lake " " " "
- x. n. " " 8/10/31 Pine Flats " " " "

55439

40

41

42

43

44

45

46

47

48 *Umbellularia californica*49 *Lonicera subspicata* var. *johnstoni*50 *Artemisia dracunculoides* var. *typica*51 *Tetradymia canescens*

52

53

54

55 *Gutierrezia sarothrae* ^{*chrysothamnus*} *viscidiflora* 24 SEP.

56

57

58 *Penstemon bridgesii*

59

60 *Eriogonum wrightii* var. *subscapozum*

61

62

63

64

65 *Lupinus superbis* var. *bernardinus*

66

67

68

69

70

71

72

55449A *Monardella linoides* Gray. var. *stricta*
8/2/31 Green Can., Bear V., San Bern. Mts., San Bern. Co.

8/14/31 Pine Flats, San Gabriel Can. L.A. Co.

8/14/31 Pine Flats, San Gabriel Can. L.A. Co.

8/2/31 Green Can. Bear V., San Bern. Mts. San Bern. Co.

" " " " " " " " " " " "

" " " " " " " " " " " "

" " " " " " " " " " " "

8/12/31 Mt. Islip, summit, San Gabriel Mts. L.A. Co.

8/2/31 Green Can. Bear V., San Bern. Mts. S.B. Co.

55473

- Hieracium albidum
 8/12/31 Buckhorn Trail, Islip, William Lind, Del Beer, Big Rock Creek L.A. Co.
- 74 ~~74~~ Clematis ligusticifolia
 - 75
 - 76 Stephanomeria exigua v. coronaria
 - 77
 - 78
 - 79 Eriogonum saxatile
 - 80
 - 81
 - 82 Castilleja miniata
 - 83 Oxytheca Parisii
 - 84
 - 85
 - 86
 - 87
 - 88
 - 89
 - 90
 - 91
 - 92
 - 93
 - 94
 - 95
 - 96
 - 97
 - 98
 - 99

55500

- 1
- 2 Mimulus floribundus
- 3
- 4
- 5
- 6

7/2/31 Green Can. ^{near} San Bern. Mts. San Bern. Co.

8/2/31

8/18/31 n. slope Mt. Islip, San Gabriel Mts. L.A. Co.

8/3/31 e. ridge Sugarloaf Mt. San Bern. Mts. L.B. Co.

8/12/31 Summit Mt. Islip, San Gabriel Mts. L.A. Co.

8/11/31 Crystal Lake, n. fls. San Gabriel Co. L.A. Co.

55567

8

9

10

11

12 *Chrysothamnus nauseosus bernardinus*

13

14

15

16

17

18

19

20

21

22

23 *Chenopodium album* var. *viride*

24

25

26

27 *Juncus macrophyllus*

28

29

30

31

32

33

34

35 *Rumex salicifolius*

36

37

38

39

40

8/11/31 Islip Trail, s. sl. Mt. Hawkins, S. Gab. Mts. L. A. Co.

8/12/31 Buckhorn Trail, n. w. ridge Mt. Islip, San Gab. Mts. L. A. Co.

... Cienega 1/2 mi. n. Windy Camp, n. sl. Mt. Islip.

8/13/31 Big Cienega, Pine Flats, n. fork San Gabriel Can. L. A. Co.

55541

42

43

44

Lotus oblongifolius

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

8/13/31 Big Conega, Pine Flats, San Jac. Mts. L. A. Co.

55575

76

77

78

79

80

81

82 *Juniperus obtusatus*

det. F. J. H.

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

55600

01

02

03

04

05

06

07 *Quercus tomentella*

08

8/12/31 Little Jimmy Spr., Windy Camp, Mt. Islip, L. A. Co.

1/16/31 Gallagher's Can. st. flk. Sta. Cat. D. L. A. Co.

- 55609 *Eriophyllum Nevinii*
 10
 11
 12
 13 *Phacelia ramosissima* v. *subsinuata*
 14
 15
 16 *Salsola kali* var. *tenuifolia*
 17
 18 *Eriogonum parvifolium*
 19 *Lothrogone filaginifolia* var. *virgata*
 20 *Epiphyllum oxypetalum*
 21
 22
 23
 24
 25
 26
 27 *Pycnanthemum californicum*
 28 *Aquilegia truncata*
 29
 30 *Aster greatae*
 31
 32
 33
 34 *Helenium bigelovii*
 35
 36
 37 *Epilobium californicum*
 38 *Verbena prostrata*
 39
 40
 41
 42

- 7/16/31 Avalon, Sta. Cat. I. L.A. Co.
 8/30/31 El Segundo L.A. Co.
 8/30/31 El Segundo L.A. Co.
 8/30/31 El Segundo L.A. Co.
 8/31/31 Los Angeles
 8/10/31 Lower Pine Flats
 8/10/31 Lower Pine Flats
 8/10/31 Lower Pine Flats
 8/10/31 Lower Pine Flats
 8/10/31 Lower Pine Flats, n. fl. San Gab. Can. L.A. Co.
 8/10/31 Crystal Lake, Pine Flats, San Gab. Can. L.A. Co.

55643

44

45

46

47

48

49

50

51 *Erigeron foliosus*

52

53

54

55

56 *Eriodictyon trichocalyx*

57

58

59

60

61 *Valeriana parishii*

62

63 *Quercus agrifolia*64 *Potentilla cuneifolia*65 *Dodecatheon jeffreyi*

66

67

68

69

70 *Senecio ionophyllus*

71

72 *Phoradendron flavescens* var. *villosum*73 *Quercus wislizeni* A. DC. var. *frutescens* Engelm.

74

75

76 *Pinus ponderosa*

8/12/31 near summit Mt. Islip, San Gab. Mts. L.A. Co.

8/11/31 Pine Flats, San Gabriel Can. n. fl. S. G. Mts. L.A. Co.

8/11/31 S. slope Mt. Hawkins, Islip. Hawkins Div. L.A. Co.

8/10/31 n. fl. San Gabriel Can. below Camp Coldbrook L.A. Co.

8/12/31 Little Jimmy Mts. Windy C. Mt. Islip

8/12/31 Little Jimmy Mts. Windy Camp, Mt. Islip, L.A. Co.

8/12/31 Summit Mt. Islip, San Gabriel Mts. L.A. Co.

8/14/31 Lower Pine Flats, San Gabriel Can. n. fl. L.A. Co.

8/12/31 Lower Pine Flats, San Gabriel Can. n. fl., L.A. Co. Cal.

8/3/31 Islip-Hawkins Divide, San Gab. Mts. L.A. Co. Cal.

summit 8/12/31

S 5677

78 *Batis maritima*

79

80

81 *Haplopappus palmeri* sp. *pachylepis*82 *Crethrogyna filaginifolia* var. *virgata*

83

84 *Haplopappus venetus* sp. *vernonioides*

85

86 *Chrysopsis villosa*

87

88

89 *Crethrogyna filaginifolia* var. *virgata*

90

91

92

93

94

95

96 *Stephanomeria virgata*

97

98

99

S 5700

01

02 *Galvesia juncea* var. *typica*

03

04

05 *Haplopappus palmeri* sp. *typicus*

06

07

08

09

10

9.5698 *Stephanomeria exigua* var. *coronaria*

Los Angeles, L. A. Co. 9/7/31

S 5677

78 *Batis maritima*

79

80

81 *Haplopappus palmeri* sp. *pachylepis*82 *Corethrogyne filaginifolia* var. *virgata*

83

84 *Haplopappus venetus* sp. *vernonioides*

85

86 *Chrysopsis villosa*

87

88

89 *Corethrogyne filaginifolia* var. *virgata*

90

91

92

93

94

95

96 *Stephanomeria virgata*

97

98

99

S 5700

01

02 *Galveria juncea* var. *typica*

03

04

05 *Haplopappus Palmeri* sp. *typicus*

06

07

08

09

10

8/19/31 Newport Bay Orange Co.

9/16/31 Los Angeles, e. base Baldwin Hills, L.A. Co.

9/16/31 Los Angeles, e. base Baldwin Hills, L.A. Co.

9/16/31 Los Angeles, E. base Baldwin Hills, L.A. Co.

9/5/31 Desecano Bay, northern Baja Calif. Mex.

9/5/31 " " " " " "

9/6/31 Desecano Bay, Baja Calif. Mexico

9/6/31 Punta Banda, Todos Santos Bay, Baja Cal. Mex.

9/7/31 " " " " " "

S 5711

12 *Atriplex canescens* ssp. *typica*

13

14

15

16 *Perityle emoryi*

17

18 *Luaeda*19 *Atriplex lentiformis* ssp. *breweri*

20

21

22

23

24

25

26

27

28

29

30

31

32 *Atriplex julacea*

33

34

35 *Ceratophyllum demersum*36 *Atriplex canescens*37 *Baccharis glutinosa*

38

39

40 *Baccharis sarothroides*

41

42

43

44

9/5/31 Descanso Bay, northern Baja Calif. Mex.

9/20/31 Point Mugu Ventura Co.

" " " " " "

9/6/31 Punta Banda, Todos Santos Bay, N. Baja Cal.

9/5/31 Descanso Bay, northern Baja Calif. Mex.

9/2/31 Playa Ensenada, Todos Santos Bay, Baja Cal.

" " " " " "

Can. 10 mi. n. Ensenada, n. Baja Calif. Mex.

S 5745 *Eriogonum Wrightii* var. *taxifolium*

46

47

48

49

50

51 *Trichostema lanceolata*

52

53

54

55

56

57

58 *Potamogeton pectinatus*

59

60

61

62

63

64

65

66

67

68 *Aster exilis*

69

70

71

72 *Iva haydeniana*

73 *Stemodia durantifolia*

74 *Lamolus floribundus*

75

76 *Pluchea camphorata*

77

78

9/8/31 can. 10 mi n. Ensenada, n. Baja Calif. Mex.

9/10/31 San Dieguito R., 2 mi. below Hodges Dam, S.D. Co.

9/10/31 San Dieguito R., 2 mi. below Hodges Dam, S.D. Co.

9/10/31 San Dieguito R., 2 mi. below Hodges Dam, S.D. Co.

9/10/31 San Dieguito R., 2 mi. below Hodges Dam, San Diego Co.

S 5779

80

81

82

83

84

85

86

87

88 *Salicornia mucronata*

89

90

91

92

93

94

95

96

97 *Salicornia depressa* (red form)

98

99 *Salicornia depressa* (green form)S 5800 *Stephanomeria exigua*

01

02 *Atriplex canescens*

03

04

05 *Haplopappus berberidis*06 *Atriplex semibaccata*

07

08

09 *Lilene laciniata*

10

11 *Croopis maritima*

12

9/7/31 Punta Banda, Todos Santos Bay, N. Baja Calif. Mex.

9/9/31 Carlsbad by the Sea, San Diego Co. Calif.

9/9/31 Carlsbad by the Sea, San Diego Co. Calif.

8/15/31 South Coronado I., Baja Calif. Mex.

8/15/31 South Coronado I. Baja Calif. Mex.

8/15/31

.. .. .

.. .. .

.. .. .

.. .. .

S 5713

14 *Encelia californica*

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33 *Euphorbia misera*

34

35

36

37

38

39

40

41

42

43

44

45

46

8/15/31 South Coronado I., Baja Calif. Mex.

8/15/31 South Coronado I., n. Baja Calif. Mex.

S 5347 *Croton californicum* Pl. Mugu, Ventura Co. 7/19/31

48

49

PR

50 *Salix hindiana* v. *leucodendroides* Tell Co. bet Agoura & Calabasas51 *Quercus lobata* Agoura (Picture City) Ventura Co. 10/24/31

52

53

54

55

56

57

58 *Eriogonum Wrightii* var. *subcapitatum* 8/3/31 Green Can., Sugarloaf Mt. S.B. Co.59 *Monardella linoides* var. *stricta* (same.)

60

61

62

63

64

65

66

67

68

69

70

71

72

73 *Zauschneria latifolia* var. *macrocarpa* (same.)

74

75

76

77

78

79

(end of S numbers, begin with 7000)

7000

01

02

03

04

05

06

07 *Mimulus nasutus* Green Can. Sugarloaf Pl. S.B. Co.

08

09 *Trifolium involucreatum* Green Can. Sugarloaf Pl. S.B. Co. mts. San Bern Co. C.

10

11 *Artemisia ludoviciana*12 ~~*Gnaphalium*~~ *Gnaphalium palustre*

13

14

15

16

17

18

19

20

21

22

23 *Atriplex lentiformis breweri* Sal. V. 10 mi. S. King City, Mont. Co. 10/28/3124 *Baccharis pilularis* Salinas V. 10 mi. S. King City 10/28/31 Mont. Co.

25

26 *Eriogonum gracile* ? Salinas V. 10 mi. S. King City 10/28/31 Monterey Co.27 *Senecio douglasii*

28

29 *Eriogonum bidentatum*?

30

31

32

33

7034

35

36 *Setaria lutescens* Turlock, Stanislaus Co. 10/24/31

37

38 *Cyperus* Turlock, Stanislaus Co. 10/24/3139 *Digitaria sanguinalis*40 *Eragrostis diffusa*

41

42

43

44 *Mollugo verticillata* Turlock, Stanislaus Co. 10/24/3145 *Solanum nigrum*

46

47

48

49

50

51

52

53

54 *Salix lasiolepis* Frazier Mt. Park, Kern Co. 11/8/31

55

56

57

58 *Atriplex lentiformis* Breweri Mugu Lagoon, Ventura Co. 10/11/3159 *Chrysothamnus nauseosus* ssp. *occidentalis* Big Pines, Placer Co. 11/22/3160 *Chrysothamnus teretifolius* Big Rock Co. San G. Mts. S.G. Co. 11/22/3161 *Juniperus californicus* Big Rock Co., San Gab. Mts. S.G. Co. 11/22/3162 *Artemisia tridentata* ssp. *typica* Lone Pine Co., San Geronimo Mts. S.G. Co. 11/22/3163 *Eriodictyon lachnocalyx*64 *Chrysothamnus nauseosus* ssp. *ceraminoensis* Cajon Pass, W. Cajon Camp. 11/24/3165 *Eriogonum elongatum* Camp Cajon, San Bern. Co. 11/24/3166 *Artemisia dracunculoides*67 *Senecio douglasii*

11/22/31

G. I.

18/31

31

7185 *Elephantomeria virgata* Ridge Rt. near Reservoir Summit 11/7/31

- 7164 *Chara* Middle R. Can. S. C. I. 5/2/31
- 7146 *Heliotropium curassavicum* m. of
cottonwood Can. " 4/29/31
- 7167 *Lavatera assurgentiflora* Bird Rock " 5/22/31
- 7149 *Artemisia californica* Avalon, Pub. Util. Can. 12/10/31
- 7152 *Quercus macdonaldii* Pebble Beach Can. S. C. I. "
- 7155 *Quercus tomentella* Gallagher Can. N. fl. " 12/11/31
- 7156 *Artemisia californica* Pebble B. Can. " 12/10/31
- 7159 *Photinia arbutifolia*
var. *macrocarpa* Gallagher, B. " 12/11/31
- 8154 *Brodiaea jolonensis* Eastw. Hay Press " 5/7/32
- 8167 *Calochortus catalinae* Avalon 5/6/32
- 7986 *Calochortus venustus* mouth of Matilija Can.,
Vent. Co.
Ojai Valley ~~6/6~~ 4/18/32
- 8283 *Calochortus splendens* Julian S. D. Co.
6/6/32

- [illegible]

- 7192 *Senecio douglasii* Ridge Pt. near Tumble Inn L.A. Co. 11/7/31
- 7193 *Brickellia nevadensis*
- 7197 *Gutierrezia sarothrae*
- 7198 *Senecio douglasii*
- 7199
- 7201 *Brickellia californica* ~~Libre~~ Libre Summit
- 7202 *Artemisia tridentata* Libre Summit
- 7203 *Baccharis pilularis* Tumble Inn
- 7205 *Brickellia californica* Reservoir Summit
- 7181 *Artemisia tridentata* Frazier Mt. Park, Kern Co. 11/8/31
- 7187 *Chrysothamnus nauseosus*
- ssp. occidentalis*
- 7189 *Zauschneria latifolia*
- var. johnstonii*
- 7190 *Quercus lobata*
- 7191 *Aster menziesii*
- 7196 *Brickellia californica*
- 7207 *Eriogonum deflexum*
- 7208 *Eriogonum gracile*
- 7209 *Chara*
- 7211 *Solidago confinis*
- 7117 *Ribes californicum*
- var. hesperium* mi. of Little Santa Anita Can. L.A. Co. 1/7/31
- 7111 *Quercus engelmannii* Arcadia L.A. Co. 1/7/31
- 7105 *Quercus engelmannii* x *agrifolia*? Sierra Madre
- 7291 *Eriogonum cinereum* San Pedro Hills .. 8/23/31
- 7290 *Atriplex microcarpa*
- 7289 *Haplopappus palmeri* Santa Fe Canyon

7287

Bassia hyssopifolia Compton L.O.C. 8/19/317284 *Limonium commune* var. *californica*

Newport Bay, Orange Co. 8/19/31

7393 *Juncus effusus* L. Cuyamaca R. S.D.C. 8/19/317392 *Polygonum douglasii* " " "7389 *Quercus kelloggii* " " "7383 *Hymenopappus wrightii* " " "var. *vesiculatus*7385 *Corythogyne filaginifolia* " " "var. *bravicula*7366 *Madia elegans* " " "7377 *Potentilla norvegica* " " "var. *hirsuta*7379 *Wyethia ovata* " " "7380 *Grindelia camporum* " " "7373 *Limnoscilla aquatica* " " "7355 *Cercocarpus betuloides* " " "7356 ~~*Dieris*~~ *Eriogonum gracile* " " "

Desecano

8/17/31

7357 *Corythogyne filaginifolia* " " "var. *bravicula*7359 *Rhamnus crocea* var. *ilicifolia* " " "7351 *Malvastrum densiflorum* " " "var. *viscidum*

alpine

7354 *Lotus nuttallianus* " " "7348 *Veronica peregrina* " " "

Cuyamaca L.

7347 *Gutierrezia sarothrae* " " "

- 7365 *Amelanchier alnifolia* Cuyamaca R. H.D.G. 8/17/31
- 7364 *Ambrosia psilostachya* " " " "
- 7362 *Lactuca canadensis* " " " "
- 7375 *Polygonum lapathifolium* " " " "
- 7374 *Erythrum byssoxyloides* " " " "
- 7398 *Quercus chrysolepis* " " " 8/18/31
- 7350 *Quercus engelmannii* Descanso " 8/17/31
- 7349 *Euphorbia misera* Point Loma " 8/16/31
- 7324 *Stachys ajacoides* Cuyamaca R. " 8/18/31
- 7320 *Biscduvalia densiflora* " " " "
- 7318 *Eriogonum gracile* 5 mi. S. Julian " "
- 7317 " *wrightii* var. *taxifolium* " " " "
- 7314 *Cordylanthus rigidus* Alpine " 8/17/31
- 7316 *Eriogonum molestum* 5 mi. S. Julian " 8/19/31
- 7307 *Rosa californica* Alpine " 8/17/31
- 7306 *Helianthus californicus* " " " "
- var. *parishii* " " " "
- 7304 *Gutierrezia sarothrae* " " " "
- 7303 *Artemisia vulgaris* " " " "
- var. *heterophyllus* " " " "
- 7302 *Gnaphalium microcephalum* " " " "
- 7300 *Eriogonum gracile* " " " "
- 7299 *Corethrogyne filaginifolia* " " " "
- var. *virgata* Pt Loma " 8/16/31
- 7298 *Haplopappus venetus* aff. *furfuraceus* " " " "
- 7294 *Monanthochloa littoralis* Newport Bay Aug 6. 8/19/31

- 7130 *Plocamium pacificum* San Pedro R.A.G. 12/8/31
- 7145 *Ceramium codicola*
- 7125 *Gelidium cartilagineum*
- 7127 *Prionitis* sp.
- 7128 *Rhodomenia pacifica*
- 7124 *Largassum palmeri* Avalon Sta. Cat. D. 12/10/31
- 7123 *Codium fragile*
- 7171 *Puccinia mesmeriana* Gallagher Ln 7/16/31
- 7132 *Cisenia arborea* Breakwater San Pedro 12/8/31
- 7147 *Elephanomeris eugua* Pebble Beach, S.C. D. 12/10/31
- 7153 *Baccharis emoryi*
- 7157 *Artemisia californica* Avalon
- 7146 *Lavatera assurgentifolia* Pebble Beach 12/20/31
- 7158 *Photinia arbutifolia*
var. *macrocarpa* Gallagher Beach 12/11/31
- 7168 *Achillea millefolium* Avalon 4/5/31
- 7279 *Largassum agardhianum* Point Vicente
(Palos Verdes Est. R.A.G. 11/10/31)
- 7281 *Hesperophyllum harveyanus*
- 7276 *Plocamium californicum*
- 7272 *Pelvetia fastigiata*
- 7269 *Gigartina horrida*
- 7268 *Gigartina spinosa*
- 7265 *Gelidium cartilagineum*
- 7260 *Neurocadyx zonerioides*
- 7258 *Egrecia laevigata*
- 7245 *Cisenia arborea*
- 7237 *Egrecia laevigata* Palos Verdes Est. 11/24/31
- 7405 *Atriplex decumbens* Alamitos B. 7/7/30

- 7424 *Pellaea mucronata* Devils Garden, Riv. Co. 1/1/32
- 7174 *alnus* Topanga Can. L. A. Co. 1/26/31
- 7135 *Umbellularia californica*
- 7135a *Crallina officinalis* San Pedro .. 12/8/31
- 7137 *Amphiroa orbigniana*
- 7142 *Crallina*
- 7286 *Kalifornia mucronata* Newport Bay Orange Co. 8/19/31
- 7395 *Lymphocarpus albus*
var. *mollis* Cuyamaca L. S. D. Co. 8/18/31
- 7331 *Mentha pulegium*
- 7332 *Lagophylla ramosissima*
- 7334 *Potamogeton natans*
- 7337 *Heliotropium curassavicum*
- 7338 *Eriogonum gracile* Hatfield Cr. above Ramona S. D. Co. ..
- 7339 *Gnaphalium microcephalum*
- 7347 *Epilobium californicum*
- 7325 *Juncus dubius* Cuyamaca L.
- 7326 *Helenium puberulum*
- 7327 *Lobelia cardinalis splendens*
- 7113 *Quercus engelmannii* m. of Little Sta. Anita C. L. A. Co.
Sierra Madre. 1/7/31
- 7122 *Artemisia californica* Sierra Madre, L. A. Co. 1/7/31
- 7107 *Quercus engelmannii* Arcadia
- 7109
- 7110 .. *agrifolia* Sierra Madre .. 8/17/31
- 7116 *Heterotheca grandiflora* m. Little Sta. Anita C. Sierra Madre 1/7/31

7034

35

36 *Setaria lutescens* Turlock, Stan. Co. 10/24/31

37

38 *Cyperus* Turlock, Stanislaus Co. 10/24/3139 *Digitaria sanguinalis*40 *Eragrostis diffusa*

41

42

43

44 *Mollugo verticillata* Turlock, Stanislaus Co. 10/24/3145 *Solanum nigrum*

46

47

48

49

50

51

52

53

54 *Salix lasiolepis* Frazier Mt. Park, Kern Co. 11/8/31

55

56

57

58 *Atriplex lentiformis breweri* Mugu Lagoon, Ventura Co. 10/11/3159 *Chrysothamnus nauseosus* ssp. *occidentalis* Big Piney Plains, S. G. Co. 11/22/3160 *Chrysothamnus teretifolius* Big Rock Co. San G. Mts. S. G. Co. 11/22/3161 *Juniperus californicus* Big Rock Co., San Gab. Mts. S. G. Co. 11/22/3162 *Artemisia tridentata* ssp. *typica* Lone Pine Co., San Antonio Mts. S. G. Co. 11/22/3163 *Eriodictyon buchocalyx*64 *Chrysothamnus nauseosus* Camp Cajon, San Bern. Co. 11/24/3165 *Eriogonum elongatum* Camp Cajon, San Bern. Co. 11/22/3166 *Artemisia dracunculoides*67 *Senecio douglasii*7038 *Chrysopsis villosa* v. *fastigiata*, Camp Cajon, San Bern. Co. 11/22/3169 *Rapidoispartum squamatum* Lytle Cr. Wash. S. G. Co. 11/22/3170 *Baccharis glutinosa* Lytle Creek Wash, S. G. Co. 11/24/3171 *Franseria acanthuacarpa* Lytle Creek Wash S. G. Co. 11/24/31det. S.F.B. 72 *Gutierrezia* ^{californica} ~~salicoides~~, Lytle Creek Wash, San Bern. Co. 11/22/31" " 73 *Gutierrezia* ^{californica} ~~salicoides~~ 11/22/3174 *Senecio douglasii*75 *Croton californicus*

76

77

78

79

80 *Quercus dumosa* - La Crescenta, L. G. Co. 11/29/3181 *Quercus agrifolia* - Arroyo Seco, Santa Monica Mts. L. G. Co. 12/6/3182 *Quercus engelmannii* Arcadia .. 12/6/31

83

84

85

86

87

88

89

Continued in Book D p. 65

- F 1 *Fissidens incurvus* (Schwaegr.)
 2 *Scleropodium illecebrum* (L.) B. & S.
 3 *Grimmia pulvinata* (L.) Sm.
 4 *Funaria microstoma* Bry. eur.
 5 *Tortula princeps* A. Not.
 6 *Anacolia Menziesii* (Turn.) Par.
 7 *Anacolia Menziesii* (Turn.) Par.
 8 *Camptothecium arenarium* (Lesq.) J. & S.
 9 *Orthotrichum Lyellii* Hook. & Tayl.
 10 *Dendroaleia* ^{abietina} (Hook) E. G. Britt.
 11 *Tortula ruralis* (L.) Ehrh.
 12 *Amblystegium serpens* (L.) B. & S.
 13 *Orthotrichum cylindrocarpum* Lesq.
 14 *Tortula ruralis* (L.) Ehrh.
 15 *Barbula vinealis* Brid.
 16 *Grimmia californica* Sull.
 17 *Fissidens incurvus* Starke
 18 *Brachythecium petrophilum* R. S. Williams
 19 *Bryum torquescens* Bry. eur.
 20 *Tortula subulata* Hedw.
 21 *Orthotrichum Lyellii* Hook. & Tayl.
 22 *Bryum affine* (Bruch.) Lindb.
 23 *Philonotis fontana* (L.) Brid.
 24 *Pottia Fosbergii* Bart. Sp. nov. (holotype)
 26 ~~25~~ *Bryum argenteum* L.
 25 ~~24~~ *Barbula*
 27 *Barbula vinealis* Brid.
 28 *Tortula montana* (Nees.) Lindb.
 29 *Bartramia stricta* Brid.
 30 *Scleropodium apocladium* (Mitt.) Grout
 31 *Anacolia Menziesii* (Turn.) Par.
 32 *Scleropodium illecebrum* (L.) B. & S.
 33 *Barbula vinealis* Brid.
 34 *Cladopodium leuconeurum* (S. & L.) R. & C.

- 1/29/28 Indian Hill, Claremont Los Angeles Co.
 2/22/28 Cobles Canyon " "
 " " " "
 " " " "
 " Thompson's Cr. Dam " "
 " Cobles Canyon " "
 " " " "
 1/15/28 Cedar Pines Park — San Bernardino Co.
 " " " "
 " " " "
 11/15/27 Coronado Beach — San Diego Co.
 3/6/28 San Dimas (Puddingstone Can.) Los Angeles Co.
 " Puddingstone Can. San Dimas "
 " " " "
 " " " "
 " " " "
 3/14/28 La Puente Hills, Pomona "
 " " " "
 " " " "
 " " " "
 4/29/28 Cushionberry Spr. — San Bernardino Co.
 " " " "
 3/15/28 Indian Hill Claremont Los Angeles Co.
 " " " "
 " " " "
 4/15/28 La Puente Hills Pomona "
 4/15/28 " " " "
 " " " "
 " " " "
 " " " "
 3/10/28 Cobles Can. Claremont "
 " " " "
 " " " "
 " " " "

- F 35 *Camptothecium Ameriae* R. & C.
 36 *Tortula princeps*
 37 *Tortula montana*
 38 *Grimmia pulvinata*
 39 *Tortula montana*
 40 *Orthotrichum rupestre*
 41 *Grimmia Californica* Sull.
 42 *Scleropodium illecebrum*
 43 *Bryum pendulum*
 44 *Mniobryum albicans*
 45 *Webera* sp. *Bryum* sp.
 46 *Webera*
 47 *Tortula* sp. *Barbula* sp.
 48 *Barbula brachyphylla* Sull.?
 49 *Platyhypnidium rusciforme*
 50 *Mercuria latifolia*
 51 *Platyhypnidium rusciforme*
 52 *Webera*
 53
 54 *Bryum capillare* L.
 55 *Tortula princeps*
 56 *Weisia*
 57 *Scleropodium illecebrum*
 58 "
 59 *Anacolia Menziesii*
 60 *Tortula montana*
 61 *Barbula rigidula*
 62 *Anacolia Menziesii*
 63 *Grimmia Californica*
 64 "
 65 *Antitrichia californica*
 66 *Funaria hygrometrica*
 67 *Grimmia montana*
 68 "

- 3/10/28 Cobles Can. Claremont Los Angeles Co.
 " " " "
 " " " "
 11/4/28 " " " "
 " " " "
 " " " "
 " " " "
 " " " "
 5/12/28 Bluff Lake, San Bernardino Mts. San Bernardino Co.
 " " " "
 3/30/29 Upper Andreas Can. Palm Springs Riverside Co.
 " " " "
 " " " "
 " " " "
 " " " "
 2/22/29 Gypsum Can. Santa Ana Mts. Corona, "
 3/30/29 Upper Andreas Can. Palm Springs "
 " " " "
 " " " "
 " " " "
 2/22/29 Gypsum Can. Santa Ana Mts. Corona "
 " " " " "
 " " " " "
 " " " " "
 " " " " "
 " " " " "
 " " " " "
 12/27/28 12 mi. e. Victorville, Granite Mts. San Bernardino Co.
 " " " " "
 4/16/29 San Antonio Can. — Los Angeles Co.
 " " " "
 " " " "
 " " " "
 " " " "
 12/27/28 12 mi. e. Victorville, Granite Mts. San Bernardino Co.
 12/29/28 Pine Knot, Bear Valley, San Bernardino Co.
 " " " "

- 7 F 69 *Camptothecium pinvatifidum*
 7 70 *Orthotrichum anomalum*
 7 71 *Amblyptegium serpens*
 7 72 *Orthotrichum anomalum*
 7 73 " *rupestre*
 7 74 *Tortula inermis*
 7 75 " "
 7 76 *Didymodon tophaceus*
 7 77 *Barbula vinealis*
 7 78 *Funaria mediterranea*
 7 79 *Barbula vinealis*
 7 80 *Didymodon tophaceus*
 7 81 *Scleropodium caespitosum*
 7 82 *Barbula vinealis*
 7 83 *Anacolia Menziesii*
 7 84 *Camptothecium arenarium*
 7 85 *Barbula vinealis*
 7 86 *Orthotrichum*
 73 87 *Bryum capillare*
 73 88 *Barbula vinealis*
 73 89 *Camptothecium arenarium*
 73 90 *Barbula convoluta*
 73 91 *Tortula*
 73 92 " *aurea*
 7 93 " "
 7 94 *Anacolia Menziesii*
 7 95 *Barbula vinealis*
 7 96 *Bryum*
 7 97 " *Muhlenbeckii*
 7 98 *Anacolia Menziesii*
 7 99 *Barbula vinealis*
 7 F 100 *Webbia*
 1 *Camptothecium arenarium*
 2

- 12/29/28 Pine Knot, Bear Valley, San Bernardino Co.
 " " " "
 " " " "
 " " " "
 12/27/28 12 mi. e. Victorville, Granite Mts. "
 " " " "
 " " " "
 4/7/29 Hamilton's Can. Santa Catalina I. Los Angeles Co.
 4/7/29 " " "
 " " " "
 " " " "
 4/6/29 Avalon Can. " "
 " " " "
 " " " "
 " " " "
 4/7/29 Hamilton's Can. " "
 " " " "
 4/6/29 Avalon Can. " "
 " " " "
 " " " "
 3/26/29 Pelican Bay, Eaton's Camp, Santa Cruz I. Santa Barbara Co.
 3/10/29 Palm Springs Riverside Co.
 " " " "
 " " " "
 3/9/29 Puddingstone Can. San Dimas, Los Angeles Co.
 " " " "
 2/23/29 Keys Ranch — San Bernardino Co.
 " " " "
 4/6/29 Avalon Can. Santa Catalina I. Los Angeles Co.
 " " " "
 " " " "
 2/26/29 Quail Springs — San Bernardino Co.
 4/6/29 Avalon Can. Santa Catalina I. Los Angeles Co.

- | | | |
|----|-------|----------------------------------|
| | F 163 | <i>Bryum</i> |
| 7 | 4 | <i>Scleropodium colpophyllum</i> |
| 7 | 5 | <i>Funaria mediterranea</i> |
| 71 | 6 | <i>Barbula vinealis</i> |
| | 7 | <i>Tortula inermis</i> |
| 71 | 8 | <i>Scleropodium illecebrum</i> |
| 71 | 9 | " " |
| 71 | 10 | <i>Timmiella flexiset</i> |
| 72 | 11 | <i>Camptothecium arenarium</i> |
| 71 | 12 | <i>Scleropodium illecebrum</i> |
| | 13 | <i>Camptothecium aeneum</i> |
| 7 | 14 | <i>Orthotrichum rupestre</i> |
| | 15 | " <i>anomalum</i> |
| 7 | 16 | <i>Grimmia montana</i> |
| 7 | 17 | <i>Scleropodium illecebrum</i> |
| 7 | 18 | <i>Funaria hygrometrica</i> |
| 73 | 19 | <i>Grimmia californica</i> |
| | 20 | " <i>leucophaea</i> |
| 73 | 21 | <i>Tortula ruralis</i> |
| 73 | 22 | <i>Grimmia pulvinata</i> |
| 73 | 23 | <i>Fissidens limbat</i> |
| 73 | 24 | <i>Tortula ruralis</i> |
| 73 | 25 | <i>Anacolia Menziesii</i> |
| 73 | 26 | <i>Camptothecium arenarium</i> |
| 71 | 27 | <i>Bartramia stricta</i> |
| | 28 | <i>Camptothecium arenarium</i> |
| 71 | 29 | <i>Didymodon tophaceus</i> |
| 71 | 30 | <i>Scleropodium obtusifolium</i> |
| 71 | 31 | <i>Tortula muralis</i> |
| 71 | 32 | <i>Bryum capillare</i> |
| 71 | 33 | <i>Tortula muralis</i> |
| 71 | 34 | <i>Bryum torquescens</i> |
| | 35 | <i>Bryum argenteum</i> |
| | 36 | <i>Amblyptegium orthocladon</i> |

- [illegible]

- 7 E 137 *Barbula vinealis*
 38 " "
 7 39 *Tortula ruralis*
 71 40 *Eurhynchium*
 71 41 *Barbula vinealis*
 71 42 *Funaria hygrometrica*
 71 43 *Bryum argenteum*
 71 44 *Tortula muralis*
 72 45 "
 72 46 *Barbula*
 47 *Camptothecium arenarium*
 7 48 *Tortula ruralis*
 7 49 *Barbula*
 50 *Webera annotina*
 7 51 *Brachythecium petrophileum*
 7 52 *Grimmia leucophaea*
 73 53 *Merceya latifolia*
 73 54 *Bryum Muhlenbeckii*
 73 55 *Hymenostomum tortile*
 73 56 *Leptobryum pyriforme*
 73 57 *Funaria hygrometrica*
 73 58 *Tortula ruralis*
 73 60 ~~57~~ *Merceya latifolia*
 73 59 ~~58~~
 71 61 *Didymodon*
 62 *Webera annotina*
 71 63 *Funaria deputata*
 71 64 " *hygrometrica*
 71 65 " "
 71 66 *Webera annotina*
 71 67 *Tripterocladium Brewerianum*
 71 68 *Grimmia californica*
 69 *Camptothecium arenarium*
 70 *Anacolia Menziesii*

- 3/16/29 Crafton Hills Redlands San Bernardino Co.
 " Sankey River " "
 " San Timates Can. " "
 " Sankey River " "
 " San Timates Can. " "
 " " " "
 " " " "
 " " " "
 " " " "
 " " " "
 " " " "
 5/4/29 Palm Can. Borego Valley San Diego Co.
 " " " "
 " " " "
 5/13/29 Key Ranch — San Bernardino Co.
 5/12/29 " — " "
 5/4/29 Palm Can. Borego Valley San Diego Co.
 " " " "
 5/12/29 Key Ranch — San Bernardino Co.
 5/4/29 Palm Can. Borego Valley San Diego Co.
 " " " "
 5/12/29 Key Ranch — San Bernardino Co.
 5/4/29 Palm Can. Borego Valley San Diego Co.
 5/3/29 Temecula R. a. Inland Route Bridge Temecula River side
 " " " "
 5/12/29 Key Ranch — San Bernardino Co.
 4/8/29 San Fernando Los Angeles Co.
 " (?) Tehachapi Pass Kern Co.
 5/4/29 Palm Canyon Borego Valley San Diego Co.
 3/24/29 1 mi. e. Pelican Bay Santa Cruz. Santa Barbara Co.
 " " " "
 " Ind Can. e. " " "
 " " " "

- 7 ~~E 171~~ *Bryum Muhlhenbeckii*
 7 12 *Funaria hygrometrica*
 7 74 ~~73~~ *Scleropodium illecebrum*
 71 73 ~~74~~
 71 75 *Funaria hygrometrica*
 71 76 *Amblystegium riparium*
 71 77 *Fissidens limbatus*
 71 78 *Barbula vinealis*
 72 79 *Bryum torquescens*
 73 80 *Orthotrichum Lipellii*
 81 *Tortula ruralis*
 7 83 ~~84~~ " "
 7 84 ~~85~~ *Brachythecium*
 7 85 ~~86~~ *Tortula sinensis*
 7 82 ~~87~~
 7 86 *Grimmia californica*
 7 87 *Tortula ruralis*
 73 88 *Barbula vinealis*
 73 89 *Camptothecium arenarium*
 73 90 " *pinnatifidum*
 73 91 *Tortula ruralis*
 73 92 "
 73 93 *Anacolia Menziesii*
 73 94 " "
 71 95 *Camptothecium*
 96 *Anacolia Menziesii*
 71 97 *Isothecium stoloniferum*
 71 98 *Grimmia californica*
 71 99 *Scleropodium obtusifolium*
 71 ~~E 200~~ *Cladopodium whippleanum*
 71 1 *Scleropodium illecebrum*
 71 2 *Isothecium stoloniferum*
 3 *Fissidens limbatus*
 4 *Grimmia leucophaea*

- 3/24/29 2nd Can. e. Pelican Bay Santa Cruz S. Barbara Co.
 5/23/29 Upper Lagunastake Laguna Lake Orange Co.
 3/24/29 4th Can. e. Pelican Bay Santa Cruz Santa Barbara Co.
 3/23/29 " " "
 5/5/29 3mi. below Julian Coleman Creek San Diego Co.
 4/6/29 Avalon Can. Santa Catalina I. Los Angeles Co.
 " " "
 4/7/29 Hamiltons' Can. " "
 5/5/29 Julian " San Diego Co.
 " " "
 " " "
 5/4/29 Palm Canyon Borego Valley "
 3/23/29 Pelican Bay, Santa Cruz S. Santa Barbara Co.
 3/23/29 Pelican Bay, Santa Cruz S. Santa Barbara Co.
 " " "
 3/24/29 " " "
 3/25/29 near " " "
 " " "
 " " "
 " Cliffs w. " "
 " Hills w. " "
 " " "
 3/24/29 1 mi. e. " "
 " " "
 " " "
 " 6th Can. e. " "
 " " "
 " " "
 " " "
 3/25 Cliffs w. " "
 " " "

- 7 F205 *Pterogonium ornithopodioides*
 7 6 *Grimmia*
 7 7 *Camptothecium arenarium*
 71 8 *Betula longipes*
 71 9 *Scleropodium illecebrum*
 71 10 " *apocladum*
 71 11 " *obtusifolium*
 71 12
 72 13
 71 14
 71 15
 7 16
 7 17
 7 18
 7 19
 7 20
 71 21
 71 22
 73 23
 73 24 *Scleropodium apocladum*
 73 25 *Funaria hypometrica*
 73 26 *Brachythecium asperium*
 73 27 *Ridgwayia tophus*
 73 28 *Tortula montana*
 71 29 " *ruralis*
 30 *Orthotrichum cylindrocarpum*
 7 31 *Funaria convoluta*
 71 32 *Gymmia pulvinata*
 71 33 *Acididium verticillatum*
 71 34 *Camptothecium Amesiae*
 71 35 *Tortula ruralis*
 71 36 " *montana*
 37 *Funaria dentata*
 38 *Grimmia*

- 3/24/29 1/2 mi. e. Pelican Bay, Santa Cruz I. Santa Barbara Co.
 " " " " "
 " " " " "
 3/25/29 Hills w. " "
 " " " " "
 3/24/29 — e. " "
 3/25/29 Hills w. " "
 4/12/29 Las Cruces — — "
 " " — — "
 10/11/29 San Antonio Can. Claremont L. A. Co.
 3/2/29 San Dimas (Puddingstone Can.) "
 5/11/29 Stoddards Can. Claremont "
 11/12/29 10 mi. S.W. Indio, Deep Canyon Riverside Co.
 3/2/29 Puddingstone Can. San Dimas L. A. Co.
 11/12/29 10 mi. S.W. Indio, Deep Canyon Riverside Co.
 4/2/29 Fish Canyon, San Gabriel Mts, Ugeye L. A. Co.
 " " " " "
 5/11/29 Stoddard Can. Claremont — "
 " " " " "
 3/2/29 Puddingstone Can. San Dimas "
 3/26/29 Eaton's Camp, Pelican Bay, Santa Cruz I. S. Barbara Co.
 5/11/29 Stoddards Can. Claremont L. A. Co.
 11/12/29 10 mi. W. Indio, Deep Canyon, Riverside Co.
 3/2/29 Puddingstone Can. San Dimas, Los Angeles Co.
 10/11/29 Evey Can. Claremont "
 " " " " "
 3/17/29 San Dimas Can. Dam. San Gabriel Mts. "
 2/22/29 Morongo Valley Inn San Bernardino Co.
 5/11/29 Stoddards Can. Claremont L. A. Co.
 4/2/29 Fish Can. San Gabriel Mts. Ugeye "
 " " " " "
 1/5/29 Dead Man's Point, Mojave Desert, Victorville S. Bernardino
 " " " " "
 " " " " "

- 7 **E289** *Funaria hygrometrica*
 40 *Scleropodium caespitosum*
 7 41 *Tortula Bolanderi*
 71 42 *Timmia flexisetula*
 71 43 *Bryum*
 71 44 *Polytrichum juniperinum*
 71 45 *Fabronia octoblepharis*
 72 46 *Scleropodium illecebrum*
 72 47 *Anacolia Menziesii*
 72 48 *Camptothecium aeneum*
 7 49 *Orthotrichum Lyellii*
 7 50 *Camptothecium aeneum*
 7 51 *Grimmia montana*
 7 52 *Orthotrichum rufescens*
 7 53 *Brachythecium petrophilum*
 7 54 *Tortula ruralis*
 73 55 "
 73 56 *Barbula brachyphylla*
 73 57 *Bryum pseudo-trignetum*
 73 58 "
 73 60 ~~59~~ *Philonotis fontana*
 73 59 60
 73 61 *Coscinodon Wrightii*
 73 62 *Ecladum*
 71 63
 71 64
 71 65
 71 66
 71 67 *Anacolia Menziesii*
 71 68
 71 69 *Funaria*
 71 70
 71 71
 72 72

- 3/9/29 Balboa Bay Orange Co.
 3/2/29 Puddingstone Can. San Dimas A. Co.
 " " " "
 4/2/29 Fish Can. San Gabriel Mts. Azusa "
 9/6/29 Mt. San Geronimo — San Bernardino Co.
 " " " "
 4/12/29 Santa Susana Pass Ventura Co.
 " " " "
 " " " "
 9/7/29 Mill Creek Can. San Bernardino Co.
 " " " "
 " " " "
 " " " "
 " " " "
 " " " "
 " " " "
 " " " "
 12/11/29 North Hill, Riverside, Riverside Co.
 9/6/29 1 mi. below Dry Lake, Mt. San Geronimo, San Bernardino Co.
 " " " " "
 " " " " "
 " " " " "
 11/11/29 28 mi. e. Mecca, Colorado Desert Riverside Co.
 12/17/29 Evey Can. Claremont. Los Angeles Co.
 3/12/30 Glen Ivy, Riverside Co. Cal.
 " " " " "
 " " " " "
 3/12/30 Glen Ivy Can. Santa Ana Mts. Riverside Co.
 " " " " "
 Apr. 1928 Hole in Rock Spr. Funeral Mts. Inyo Co. Calif.
 Apr. 1928 Hole in Rock Spr. Funeral Mts. Inyo Co. Calif.
 3/12/30 Glen Ivy, Riverside Co. Calif.
 3/12/30 Glen Ivy, Riverside Co. Calif.

F273

Funaria

7 74
7 75
71 76
71 77
71 78
71 79
71 80
72 81
73 82
7 83
7 84
7 85
7 86
7 87
7 88
73 89
73 90
73 91
73 92
73 93
73 94
73 95
73 96
71 97
71 98
71 99

E300

71
71
71
71

12/18/27 Lopez Ranch Baja Calif. Mex.

12/18/27 Can. 2-3 mi. s. of Lopez R. Baja Calif.

12/17/27 10 mi. s. of Johnson's Ranch, Baja Calif. Mex.

12/17/27 n. side Punta Banda Baja Calif. Mex.

12/17/27 " " "

12/18/27 San Antonio Can. above Johnson's R. Baja Calif.

12/18/27 San Antonio Can. above Johnson's R. Baja Cal. Mex.

12/18/27 San Antonio Can. above Johnson's Ranch, Baja Calif. Mex.

L

1

2

3

~~4 Anthracoceros~~

California

3/25/29 1 mi. w. Pelican Bay, Santa Cruz I. Santa Barbara Co.

3/25/29 1 mi. w. Pelican Bay, Santa Cruz I. Santa Barbara Co.

~~4/6/29 Avalon Can. Santa Catalina I., Los Angeles Co.~~

H

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

100

5/12/30 Granite Mt.

San Bern. Co.

R. 89 *Equisetum cruenis*

Eagle's Nest, Middle Ranch Can. Santa Catalina Is. L.A. Co.

R 90 *Equisetum Funstoni*
Same as above

4/15/31

~~R. 63 *Equisetum*~~

4/2/31

R 84 *Pellaea mucronata* dis. bet. Hamilton & Descanso Can., S.C. 9. R 06

R 85 *Dryopteris arguta*

" Can. 4/2/31 " "

R 86 *Pellaea andromedifolia* " " " " " "

R 93 *Helaginella bigelovii* Eagle's Nest 4/22/31 " "

R 94 *Adiantum capillis-veneris* Hamilton Can. 4/24/31 " "

R 95 " " " " 2nd. bridge below Eagle's Nest 4/4/31 " "

R 82 *Pellaea mucronata* Hamilton Can. 3/27/31 " "

R 83 *Pellaea andromedifolia* " 4/1/31 " "

R 81 *Helaginella bigelovii* " 3/24/31 " "

R 80 *Polypodium vulgare* v. *intermedium* " " " "

- R56 *Notholaena cinnata* var. *integerrima*
Pyramid Peak Range, E. extremity, base near Cankling's Cavern.
Dona Ana Co. 7/20/1930
- R63 *Equisetum hyemale* var. *robustum*
2 mi. N. San Miguel, Dona Ana Co. 9/1/30
- R64 *Notholaena Hookeri*
Pinto Blanco, S. end, Organ Mts. N. slope, Dona Ana Co. 9/1/30
- R65 ~~*Phlebopetalum*~~ *myriophylla*
Pyramid Peak, S. Wall of Can. Dona Ana Co. 8/21/30
- R76 *Pityrogramma triangularis*
Hamilton Can. Santa Catalina Is. L.A. Co. 3/20/31
- R77 *Pityrogramma triangularis* var. *vesicosa*
same as above
- R79 *Adiantum emarginatum*
same as above
- R87 *Polypodium vulgare* var. *intermedium*
El Estero Can. N. fork, Santa Catalina Is. L.A. Co. 4/13/31

- R 69 *Notholaena Parryi*
 70 *Cheilanthes Covillei*
 71 *Notholaena Parryi*
 72 *Notholaena Parryi*
 73 *Selaginella eremophila*
 74 *Cheilanthes Covillei*
 75 *Adiantum capillis-veneris*
 76 *Polypodium vulgare* v. *Kaulfussii*
 77 *Cheilanthes Clevelandii*
 78 *Cheilanthes Clevelandii*
 79 *Cheilanthes californica*
 80 *Adiantum pedatum*
 81 *Woodwardia Chamissoi*
 82 *Pellaea andromedaefolia*
 83 *Pityrogramma triangularis* v. *viscosa*
 84 *Adiantum Jordani*
 85 *Adiantum Jordani*
 86 *Polypodium californicum* v. *Kaulfussii*
 87 *Pellaea andromedaefolia*
 88 *Selaginella Bigelovii*
 89 *Pteridium aquilinum* v. *pubescens*
 90
 91 *Dryopteris arguta*
 92
 93 *Woodwardia Chamissoi*
 94 *Cheilanthes Covillei*
 95 *Polystichum munitum* v. *imbricans*
 96 *Pteridium aquilinum* v. *pubescens*
 97 *Dryopteris arguta*
 98
 99
 100
 1 *Cheilanthes covillei*
 2 *Cheilanthes viscida*

3/9/30 Mission Canyon

Riverside Co.

- " " " " " "
 " " " " " "
 11/9/29 near Lookout Pt Mt. Superior, Pinal Co. Ariz.
 3/31/30 Hills at upper end of Morongo V. Riverside Co.
 3/30/30 Twenty Nine Palms San Bernardino Co.
 4/7/30 Santa Cruz I. Hazard's H. Santa Barbara
 4/8/30 Santa Rosa I. " " "
 4/8/30 Santa Rosa I. Torrey Pines Sta. Barbara
 4/11/30 Santa Cruz I. Lady's H. " " "
 " " " " " "
 4/7/30 " " " Hazard's H. " " "
 " " " " " "
 " " " " " "
 " " " " " "
 2/6/30 Camp Comfort Ojai Ventura
 4/8/30 Santa Rosa I. Sta. Barbara
 4/9/30 " " " " " "
 " " " " " " Lower Elder Can " " "
 " " " " " " " " "
 " " " " " " " " "
 " " " " " " " " "
 4/2/30 Santa Ana Mts above Elsinore Riverside Co.
 4/30/30 Can. above Keys Ranch San Bern Co.
 10/7/29 Mill Creek Canyon San Bern Co.
 6/29/29 Dublin Can. Alameda Co.
 4/30/30 Can. above "Keys Ranch San Bern Co.
 5/12/30 Granite Mts. San Bern. Co.
 " " " " " "

- R163 *Polystichum munitum* v. *imbricans*
 4 *Pellaea mucronata* v. *californica*
 5 *Cheilanthes viscida*
 6 *Pityrogramma triangularis* v. *maxoni*
 7 *Cheilanthes Covillei*
 8 *Pellaea mucronata* ~~*Pellaea mucronata*~~ *dissecta*
 9 *Polypodium vulgare* v. *intermedium*
 10 *Dryopteris arguta*
 11 *Pityrogramma triangularis*
 12 *Adiantum Jordani*
 13 *Selaginella asprella*
 14 *Pellaea mucronata* v. *californica*
 15
 16
 17
 18
 19
 20
 21 *Pellaea andromedaefolia*
 22 *Equisetum laevigatum*
 23 *Pellaea longimucronata*
 24 *Pityrogramma triangularis*
 25 *Selaginella asprella*
 26 *Natholaena Parryi*
 127 *Equisetum laevigatum*
 128 *Pellaea mucronata*
 129 *Equisetum*
 130 *Dryopteris arguta*
 131 *Pellaea mucronata*
 132 *Cheilanthes Covillei*
 133 *Woodwardia Chamissoi*
 134 *Equisetum maximum*
 135 *Pityrogramma triangularis*
 136 *Woodwardia Chamissoi*

5/21/30 Head of Waterman Canyon San Bern. Co.

R112 *Adiantum capillis-veneris* 7/13/31 Hamilton Can. Sta. Cal. S. L.A. Co.

12/21/29 Upper Trabuco Can. Santa Ana Mts. Orange Co.

R₁₁₂ *Adiantum capillis-veneris* 7/13/31 Hamilton Can. Sta. Cat. I. L.A. Co.

- R103 *Polystichum munitum* v. *imbricans*
 4 *Pellaea mucronata* v. *californica*
 5 *Cheilanthes viscida*
 6 *Pityrogramma triangularis* v. *masoni*
 7 *Cheilanthes Covillei*
 8 ~~*Pellaea mucronata*~~ *dissecta*
 9 *Polypodium vulgare* v. *intermedium*
 10 *Dryopteris arguta*
 11 *Pityrogramma triangularis*
 12 *Adiantum Jordani*
 13 *Selaginella asprella*
 14 *Pellaea mucronata* v. *californica*
 15
 16
 17
 18
 19
 20
 21 *Pellaea andromedaefolia*
 22 *Equisetum laevigatum*
 23 *Pellaea longimucronata*
 24 *Pityrogramma triangularis*
 25 *Selaginella asprella*
 26 *Notholaena Parryi*
 127 *Equisetum laevigatum*
 128 *Pellaea mucronata*
 129 *Equisetum*
 130 *Dryopteris arguta*
 131 *Pellaea mucronata*
 132 *Cheilanthes Covillei*
 133 *Woodwardia Chamissoi*
 134 *Equisetum maximum*
 135 *Pityrogramma triangularis*
 136 *Woodwardia Chamissoi*

- 5/2/30 Head of Waterman Canyon San Bern. Co.
 " Deep Cr. about halfway down on Toll Rd " " "
 6/1/30 Granite Mts. 17 mi. e. Victorville, San Bern. Co.
 5/30/30 " " " " " " "
 " " " " " " "
 6/15/30 Same as R109 below
 6/15/30 Santiago C. near Modjesko's Home Santa Ana Mts, Orange Co.
 " " " " " " "
 " " " " " " "
 8/13/31 Islip Trail, near Hawkins-Islip divide, L.A. Co.
 " " s. slope Mt. Hawkins " "
 " " " " " " "
 9/15/31 South Coronado Island Baja Calif. Mex.
 5/22/30 Near Prado, Santa Ana R. Bridge Riverside Co.
 11/9/29 Superior Pinal Co. Ariz.
 5/12/29 Granite Mts San Bern. Co.
 10/6/29 near summit San Jacinto Pk. San Bern. Mts. " "
 3/30/30 Twenty-nine Palms. S.B. Co.
 7/4/29 Knights Ferry " "
 " " " " " "
 May 1928 near Lake Arrowhead, San Bernardino Mts. S.B. Co.
 4/6/30 Camp Comfort, Ojai, Ventura Co.
 May 1928 San Antonio Can. San Gabriel Mts. L.A. Co.
 " " " " " " "
 " " " " " " "
 5/11/29 Stoddards Can. " " "
 " " " " " " "
 " " " " " " "
 " " " " " " "
 12/21/29 Upper Trabuco Can. Santa Ana Mts. Orange Co.

- T
- 1 *Pelagophyceus porra*
 - 2 *Corallina*
 - 3 *Jania*
 - 4 *Nitophyllum*
 - 5 *Zonaria Farlowii*
 - 6 *Gigartina horrida*
 - 7 *Laurencia spectabilis*
 - 8 *Bryopsis corticulans*
 - 9 *Sargassum Palmeri*
 - 10 *Chara*
 - 11 *Gigartina*
 - 12 *Amphiroa*
 - 13 *Plocamium violaceum*
 - 14 *Lithothrix aspergillum*
 - 15 *Gelidium cartilaginum*
 - 16 *Amphiroa*
 - 17 *Amphiroa*
 - 18 *Amphiroa*
 - 19 *Amphiroa*
 - 20 *Corallina*
 - 21 *dictyon*
 - 22 *Corallina*
 - 23 *Polyopes Snyderiae*
 - 24 *Corallina*
 - 25 *Endocladia muricata*
 - 26 *Gigartina canaliculata*
 - 27 *Gelidium*
 - 28 *Corallina*
 - 29 *Sargassum Agardhianum*
 - 30 *Laurentia subapocrita*
 - 31 *Codium mucronatum*
 - 32 *Halidrys dioica*
 - 33 *Gelidium coulteri*
 - 34 *Scytosiphon lomentarius*

7, 10% *Cladophora*
Laguna Beach, Orange Co., Cal.

- 7/23/28 Laguna Beach, Orange Co., Cal.
 7/25/28 " " " " "
 " " " " "
 " " " " "
 " " " " "
 " " " " "
 " " " " "
 " " " " "
 " " " " "
 3/30/29 Palm Springs, Andreas Canyon Riverside Co.
 7/28/28 Laguna Beach, Orange Co., Cal.
 " " " " "
 " " " " "
 " " " " "
 " " " " "
 7/22/28 " " " " "
 7/25/28 " " " " "
 7/21/28 " " " " "
 " " " " "
 7/10/28 " " " " "
 7 " " " " "
 7/13/28 " " " " "
 7/17/28 " " " " "
 7/28/28 " " " " "
 7/17/28 " " " " "
 " " " " "
 7/10/28 " " " " "
 7/20/28 " " " " "
 7/15/28 " " " " "
 7/20/28 " " " " "
 7/18/28 " " " " "
 7/15/28 " " " " "
 7/19/28 " " " " "
 7/15/28 " " " " "
 7/25/28 " " " " "

- T 35 *Pteroisiphonia*
 36 *Cladophora trichotoma*
 37 *Petrosporgium rugosum*
 38 *Hapaterophycus canaliculatus*
 39 *Hesperophycus Harveyanus*
 40 *Gigartina*
 41 *Ulva dactylifera*
 42 *Gelidium Coulteri*
 43 *Amphiroa*
 44 *Prionitis*
 45 *Chondrus*
 46 *Chondrus*
 47 *Chondrus*
 48
 49 *Polysiphonia*
 50 *Plocamium violaceum*
 51 *Gigartina*
 52 *Colpomenia*
 53 *Dictyota*
 54 *Chondrus*
 55 *Chondrus*
 56 *Syrtosiphon lomentarius*
 57 *Egregia laevigata* (dredged, - 50 ft.)
 58
 59 *Egregia laevigata*
 60 ~~Ex~~
 61 *Eisenia arborea*
 62 *Gigartina horrida*
 63
 64 *Neurocarpus zonarioides*
 65 *Ricardia saccata*
 66 *Eisenia arborea*
 67 *Nitophyllum corallinum*
 68 *Gelidium*

T 65 1/2 Janis
 7/1/28 Laguna Beach, Orange Co. Cal.

- | | | | |
|----------|--------------|------------|------|
| 7/10/28 | Laguna Beach | Orange Co. | Cal. |
| 7/16/28 | " | " | " |
| 7/18/28 | " | " | " |
| " | " | " | " |
| " | " | " | " |
| 7/20/28 | " | " | " |
| 7/21/28 | " | " | " |
| 7/15/28 | " | " | " |
| 7/20/28 | " | " | " |
| " | " | " | " |
| " | " | " | " |
| 7/10/28 | " | " | " |
| 7/23/28 | " | " | " |
| 7/20/28 | " | " | " |
| " | " | " | " |
| 7/15/28 | " | " | " |
| 7/10/28 | " | " | " |
| 7/20/28 | " | " | " |
| " | " | " | " |
| 7/15/28 | " | " | " |
| 7/10/28 | " | " | " |
| 7/28/28 | " | " | " |
| " | " | " | " |
| " | " | " | " |
| 7/15/28 | " | " | " |
| 7/25/28 | " | " | " |
| 7/20/28 | " | " | " |
| 7/25/28 | " | " | " |
| " | " | " | " |
| 7/17/28 | Laguna Beach | Orange Co. | Cal. |
| " | " | " | " |
| 10/30/28 | " | " | " |
| " | " | " | " |

7/03 ~~discovered~~ Nostror

4 Chara

5 Chara

6 Nitella

7

8

9

10

11

12 Macrocyptis pyrifera

13 Chara

14 Chara

15 Chara

15 Chara Macrocyptis pyrifera

17

18 Amphiroa

19 Corallina

20 Corallina

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

5/4/29 Lantenac Can.

San Diego Co.

7/4/29 Knight's Ferry

Stanislaus Co.

5/5/29 Banner

San Diego Co.

5/23/29 Laguna Lakes, Laguna Can.

Orange Co.

5/4/29 Palm Can., Borego V.

San Diego Co.

6/8/29 Laguna Beach

Orange Co.

5/3/29 Temecula

Riverside Co.

5/4/29 Lantenac Can.

San Diego Co.

4/14/29 Carneros Springs

Kern Co.

5/30/29 N. Coronado I., Baja Calif.

Mexico

4/7/30 Hazards Harbor, Santa Cruz I.

Sta. Barb. Co.

4/7/30 Hazards Harbor, Santa Cruz I.

Sta. Barb. Co.

4/7/30 Hazards Harbor, Santa Cruz I. Sta. Barb. Co.

T137

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

7171

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

200

1

2

3

4

T205

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37 *Eupiphe cichoracearum* DC.

38

3/19/31 Hamilton Can. near Avalon Santa Catalina Is. L.Q. Co

T273 *Puccinea cressae* (DC.) Lagerh. (det. L. S. Brown)

74 *Zonaria farlowii*

75

76

77

78

79

80 *Uromyces juncei*

81 *Laurencia*

82

83

84

85

86

87 *Mostoe*

88 *Usnea*

89 *Usnea*

90

91

92

93

94

95

5/16/31

Little Harbor, Santa Catalina Island, Los Angeles Co., Cal.

5/17/31

7/10/31 Eagles Nest, Middle Ranch Can., S. Cal. I. L.A. Co.

7/16/31 Gallagher's Beach, Santa Catalina Is. S.G. Co.

Ojai

Ventura Co.

1 mi. e. of Eaton, Santa Cruz I. Sta. Barb. Co.
3/24/28 Can. near ranch, Santa Cruz I. Sta. Barbara Co.

5/30/29 Santa Cronado I. Baja Calif, Mex.

